

2 . REPLACE THE FOLLOWING.DRAWINGS:

T02 INDEX TO CONTRACT DRAWINGS ABBREVIATIONS, AND SYMBOLS
C01 PLAN AND PROFILE, STA. 66+74.475 TO STA. 65+00.000
C02 PLAN AND PROFILE, STA. 65+00.000 TO STA. 62+00.000
C03 PLAN AND PROFILE, STA. 62+00.000 TO STA. 59+40.000
C04 PLAN AND PROFILE, STA. 59+40.000 TO STA. 56+80.000
C05 PLAN AND PROFILE, STA. 56+80.000 TO STA. 54+20.000
C06 PLAN AND PROFILE, STA. 54+20.000 TO STA. 51+40.000
C07 PLAN AND PROFILE STA 51+40.000 TO STA 49+00.000
C08 PLAN AND PROFILE STA 49+00.000 TO STA 46+00.000
C09 PLAN AND PROFILE, STA. 46+00.000 TO STA. 43+00.000
C10 PLAN AND PROFILE STA 43+00.000 TO STA 40+40.000
C11 PLAN AND PROFILE STA 40+40.000 TO STA 38+00.000
C12 PLAN AND PROFILE STA 38+00.000 TO STA 35+20.000
C13 PLAN AND PROFILE, STA. 35+20.000 TO STA. 32+80.000
C14 PLAN AND PROFILE, STA. 32+80.000 TO STA. 29+80.000
C15 PLAN AND PROFILE, STA. 29+80.000 TO STA. 27+00.000
C16 PLAN AND PROFILE, STA. 27+00.000 TO STA. 25+00.000
C17 PLAN AND PROFILE, STA. 25+00.000 TO STA. 23+07.420
C18 PLAN AND PROFILE, F-3 CHANNEL
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SECTION 00010

BID SCHEDULE

PART 1 GENERAL

The numerical sequences of the bid items is not meant to determine for the Contractor the sequencing of the work.

1.1 Base Bid

Item	Description	Quantity	Unit		Amount
			Unit	Price	
0001	TRAFFIC CONTROL EXCEPT FOR OPTION NO. 1 AND OPTION No. 2	1.00	Job	LS	\$____.____
0002	DIVERSION AND CONTROL OF WATER EXCEPT FOR OPTION NO. 1 AND OPTION No. 2	1.00	Job	LS	\$____.____
0003	CLEAR SITE AND REMOVE OBSTRUCTIONS, EXCEPT FOR BID ITEM 0054 AND OPTION NO. 1 AND OPTION No. 2	1.00	Job	LS	\$____.____
0004	EXCAVATION CHANNEL, BLM LANDS AND/OR MATERIALS, EXCEPT FOR OPTION NO. 1 AND OPTION No. 2	4,700	m ³	\$____.____	\$____.____
0005	EXCAVATION CHANNEL, NON BLM LAND, EXCEPT FOR OPTION NO. 1 AND OPTION No. 2	91,100	m ³	\$____.____	\$____.____
0006	FLAMINGO DETENTION BASIN REMOVE AND DISPOSE OF DEBRIS LADEN SOILS AS SCRAP	16,900	m ³	\$____.____	\$____.____
0007	COMPACTED FILL, CHANNEL, NON BLM LAND, EXCEPT FOR OPTION NO. 1 AND OPTION No. 2	45,400	m ³	\$____.____	\$____.____
0008	COMPACTED FILL, GRADING EASEMENTS (GE), F-4 CHANNEL AND F-3 CHANNEL AND 5TH CELL STRUCTURE AREA, NON-BLM MATERIALS	40,250	m ³	\$____.____	\$____.____

BASE BID		Unit		
Item	Description	Quantity	Unit Price	Amount
0009	CONCRETE, OPEN CHANNEL INVERT SLAB EXCEPT FOR OPTION No. 2	51	m ³ \$____.____	\$____.____
0010	CONCRETE, OPEN CHANNEL WALLS EXCEPT FOR OPTION No. 2	41	m ³ \$____.____	\$____.____
0011	REINFORCING STEEL EXCEPT FOR OPTION NO. 2	6	t \$____.____	\$____.____
0012	AGGREGATE BASE COURSE EXCEPT FOR BID ITEM NO. 1020 AND OPTION No. 2	2,020	t \$____.____	\$____.____
0013	ASPHALT CONCRETE PAVEMENT EXCEPT FOR OPTION NO. 1 AND OPTION No. 2	677	t \$____.____	\$____.____
0014	WEEPHOLE SYSTEM EXCEPT FOR OPTION NO. 1 AND OPTION No. 2	1.00	Job LS \$____.____	
0015	TRANSITION WALL STRUCTURE # 1 (F-4 CHANNEL UPSTREAM OF BELTWAY)	1.00	Job LS \$____.____	
0016	CONFLUENCE STRUCTURE # 1 (F-4 CHANNEL AND PATRICK LATERAL)	1.00	Job LS \$____.____	
0017	TRANSITION WALL STRUCTURE # 2 (F-4 CHANNEL DOWNSTREAM PATRICK)	1.00	Job LS \$____.____	
0018	TRANSITION WALL STRUCTURE # 2A (PATRICK LATERAL DOWNSTREAM PATRICK)	1.00	Job LS \$____.____	
0019	RCB # 1 (PATRICK LATERAL)	1.00	Job LS \$____.____	
0020	RCB # 2 (F-4 CHANNEL AT PATRICK)	1.00	Job LS \$____.____	
0021	TRANSITION WALL STRUCTURE # 3 (F-4 CHANNEL UPSTREAM PATRICK)	1.00	Job LS \$____.____	

BASE BID		Unit		
Item	Description	Quantity	Unit Price	Amount
0022	CONFLUENCE STRUCTURE # 2 (F-4 CHANNEL AND F-3 CHANNEL AND 5TH CELL)	1.00	Job LS	\$____.____
0023	F-4 CHANNEL AND F-3 CHANNEL AND 5TH CELL STRUCTURE	1.00	Job LS	\$____.____
0024	INVERT ACCESS RAMP # 1	1.00	Job LS	\$____.____
0025	F-3 CHANNEL 4 X RCB, AND 5TH CELL RCB UNDER FORT APACHE STRUCTURE	1.00	Job LS	\$____.____
0026	TRANSITION WALL STRUCTURE # 4 (F-3 CHANNEL AND 5TH CELL UPSTREAM FORT APACHE)	1.00	Job LS	\$____.____
0027	F-3 CHANNEL INLET STRUCTURE	1.00	Job LS	\$____.____
0028	TRANSITION WALL STRUCTURE # 5 (F-4 CHANNEL DOWNSTREAM FORT APACHE)	1.00	Job LS	\$____.____
0029	RCB # 3A (F-4 CHANNEL RCB STA. 34+06.655 TO STA. 31+00.000)	1.00	Job LS	\$____.____
0030	RCB # 3C (F-4 CHANNEL RCB STA. 52+99.440 TO STA. 45+80.000)	1.00	Job LS	\$____.____
0031	TRANSITION WALL STRUCTURE # 6 (F-4 CHANNEL UPSTREAM WARM SPRINGS)	1.00	Job LS	\$____.____
0032	INVERT ACCESS RAMP # 2	1.00	Job LS	\$____.____
0033	SIDE DRAIN, F-4 CHANNEL STA. 23+60.000 LT 0.915 RCP	1.00	Job LS	\$____.____
0034	SIDE DRAIN, F-4 CHANNEL STA. 26+60.000 LT 1.525 X 0.610 RCB	1.00	Job LS	\$____.____
0035	SIDE DRAIN, F-4 CHANNEL STA. 29+38.946 RT 0.457 RCP	1.00	Job LS	\$____.____

BASE BID		Unit			
Item	Description	Quantity	Unit	Price	Amount
0036	SIDE DRAIN, F-4 CHANNEL STA. 32+17.305 LT 1.525 X 0.610 RCB	1.00	Job	LS	\$____.____
0037	SIDE DRAIN, F-4 CHANNEL STA. 52+89.543 LT 0.457 RCP	1.00	Job	LS	\$____.____
0038	SIDE DRAIN, F-4 CHANNEL STA. 52+35.05 LT 1.219 RCP	1.00	Job	LS	\$____.____
0039	SIDE DRAIN, F-3 CHANNEL STA. 11+70.000 LT 0.760 X 0.460 RCB	1.00	Job	LS	\$____.____
0040	SIDE DRAIN, 5TH CELL STA. 11+60.000 RT 0.610 RCP	1.00	Job	LS	\$____.____
0041	CONCRETE OVERFLOW STRUCTURE	1.00	Job	LS	\$____.____
0042	ROAD DETOURS AND ROAD RECONSTRUCTION EXCEPT OPTION NO. 1	1.00	Job	LS	\$____.____
0043	UTILITY CROSSING ITEMS EXCEPT OPTION NO. 1 AND OPTION NO. 2	1.00	Job	LS	\$____.____
0044	ADJUST SEWER MANHOLE FRAMES AND COVERS EXCEPT FOR OPTION NO. 1 AND OPTION No. 2	3	EA	\$____.____	\$____.____
0045	SINGLE SWING GATES	1	ea	\$____.____	\$____.____
0046	LADDER SYSTEMS EXCEPT FOR OPTION NO. 1 AND OPTION No. 2	1.00	Job	LS	\$____.____
0047	MANHOLES FOR RCB CONDUITS, CULVERTS, AND LATERALS EXCEPT FOR OPTION NO. 1 AND OPTION No. 2	1.00	Job	LS	\$____.____
0048	CHAIN LINK FENCE, 1.829 M HIGH 9 GAGE EXCEPT FOR OPTION NO. 1 AND OPTION No. 2	2,124	m	\$____.____	\$____.____

BASE BID		Unit			
Item	Description	Quantity	Unit	Price	Amount
0049	POST AND CABLE RAILING EXCEPT FOR OPTION NO. 1 AND OPTION No. 2	2,202	m	\$____.____	\$_____.____
0050	DOUBLE SWING GATES EXCEPT FOR OPTION NO. 1 AND OPTION No. 2	12	ea	\$____.____	\$_____.____
0051	PRE-EMERGENT HERBICIDE AND PIGMENTED DUST PALLIATIVE/SOIL STABILIZER ON NON-REVEGETATED AREAS OF CHANNEL EXCEPT FOR OPTION NO. 1 AND OPTION No. 2	12.2	HA	\$____.____	\$_____.____
0052	STATION MARKINGS EXCEPT FOR OPTION NO. 1 AND OPTION No. 2	1.00	Job	LS \$____.____	
0053	AS-BUILT DRAWINGS ENTIRE PROJECT	1.00	Job	LS \$____.____	
0054	CLEAR SITE AND REMOVE OBSTRUCTIONS, POST AND FORT APACHE	1.00	Job	LS \$____.____	
0055	STORM WATER POLLUTION PREVENTION FACILITIES, EXCEPT OPTION NO. 1 AND OPTION NO. 2	1.00	Job	LS \$____.____	
0056	CONSTRUCTION WATER EXCEPT OPTION NO. 1 AND OPTION NO. 2	1.00	Job	LS \$____.____	
SUBTOTAL ESTIMATED AMOUNT OF BASE BID: (Line Items 0001 through 0056)				\$_____.	

1.2 OPTION NO. 1

Item	Description	Quantity	Unit	Price	Amount
1001	TRAFFIC CONTROL OPTION NO. 1	1.00	Job	LS \$_____.	_____.
1002	DIVERSION AND CONTROL OF WATER OPTION NO. 1	1.00	Job	LS \$_____.	_____.
1003	CLEAR SITE AND REMOVE OBSTRUCTIONS OPTION NO. 1	1.00	Job	LS \$_____.	_____.
1004	EXCAVATION CHANNEL, NON-BLM LAND, OPTION NO. 1	45,050	m ³	\$_____. \$_____. \$_____. \$_____.	_____.
1005	EXCAVATION CHANNEL, BLM LANDS, OPTION NO. 1	10,000	m ³	\$_____. \$_____. \$_____. \$_____.	_____.
1006	PROVIDE CHANNEL EXCAVATION SHORING	1.00	Job	LS \$_____.	_____.
1007	COMPACTED FILL, CHANNEL, NON-BLM LAND, OPTION NO. 1	26,700	m ³	\$_____. \$_____. \$_____. \$_____.	_____.
1008	COMPACTED FILL, CHANNEL, BLM LAND, OPTION NO. 1	6,000	m ³	\$_____. \$_____. \$_____. \$_____.	_____.
1009	RCB # 3B (F-4 CHANNEL RCB STA. 45+80.000 TO STA. 34+06.655)	1.00	Job	LS \$_____.	_____.
1010	SIDE DRAIN, F-4 CHANNEL STA. 44+56.714 LT 0.457 RCP	1.00	Job	LS \$_____.	_____.
1011	SIDE DRAIN, F-4 CHANNEL STA. 44+41.469 RT 1.524 X 0.915 RCB	1.00	Job	LS \$_____.	_____.
1012	ROAD DETOURS AND ROAD RECONSTRUCTION OPTION NO. 1	1.00	Job	LS \$_____.	_____.
1013	MANHOLES FOR RCB CONDUITS, CULVERTS, AND LATERALS OPTION NO. 1	1.00	Job	LS \$_____.	_____.

OPTION NO. 1		Unit			
Item	Description	Quantity	Unit	Price	Amount
1014	PRE-EMERGENT HERBICIDE AND PIGMENTED DUST PALLIATIVE/SOIL STABILIZER ON NON-REVEGETATED AREAS OF OPTION NO. 1	7.3	HA	\$____.____	\$____.____
1015	LADDER SYSTEMS OPTION NO. 1	1.00	Job	LS \$____.____	
1016	STORM WATER POLLUTION PREVENTION FACILITIES, OPTION NO. 1	1.00	Job	LS \$____.____	
1017	ADJUST SEWER MANHOLE FRAMES AND COVERS OPTION NO. 1	2	EA	\$____.____	\$____.____
1018	STATION MARKINGS OPTION NO. 1	1.00	Job	LS \$____.____	
1019	UTILITY CROSSING ITEMS OPTION NO. 1	1.00	Job	LS \$____.____	
1020	FLAMINGO DETENTION BASIN AGGREGATE BASE COURSE SERVICE ROAD	1,342	t	\$____.____	\$____.____
1021	SIDE DRAIN, F-4 CHANNEL STA. 40+00.000 RT 0.457 RCP	1.00	Job	LS \$____.____	
1022	SIDE DRAIN, F-4 CHANNEL STA. 38+20.000 LT 0.457 RCP	1.00	Job	LS \$____.____	
1023	SIDE DRAIN, F-4 CHANNEL STA. 36+28.610 RT 1.525 X 0.915 RCB	1.00	Job	LS \$____.____	
1024	TORTOISE FENCE, OPTION NO. 1 F-4 CHANNEL	620	m	\$____.____	\$____.____
1025	TORTOISE FENCE, F-4 DEBRIS BASIN	4,810	m	\$____.____	\$____.____
1026	PLANT NURSERY AREA, TEMPORARY	1.00	Job	LS \$____.____	
1027	PROVIDE PLANT STORAGE IRRIGATION DURING CONSTRUCTION	1.00	Job	LS \$____.____	
1028	SALVAGE, STORE, AND MAINTAIN PLANTS - CACTUS	79	ea	\$____.____	\$____.____

OPTION NO. 1

Item	Description	Quantity	Unit	Price	Amount
1029	SALVAGE, STORE, AND MAINTAIN PLANTS - CREOSOTE BUSH	240	ea	\$____.____	\$_____.____
1030	SALVAGE, STORE, AND MAINTAIN PLANTS - WHITE BURSAGE	240	ea	\$____.____	\$_____.____
1031	SALVAGE, STORE, AND MAINTAIN PLANTS - MOHAVE YUCCA	302	ea	\$____.____	\$_____.____
1032	SALVAGE, STORE, AND MAINTAIN PLANTS - MORMON TEA	120	ea	\$____.____	\$_____.____
1033	STRIP AND STOCKPILE TOPSOIL, F-4 DEBRIS BASIN RIGHT OF WAY AND F-4 DEBRIS BASIN TEMPORARY CONSTRUCTION EASEMENT, AND F-4 CHANNEL STAGING AREA, BLM LAND	19,505	m ³	\$____.____	\$_____.____
1034	CLEAR SITE AND REMOVE OBSTRUCTIONS, BLUE DIAMOND AND FLAMINGO DETENTION BASINS	1.00	Job	LS	\$_____.____
1035	BLUE DIAMOND PROVIDE AND PLANT MORMON TEA	324	ea	\$____.____	\$_____.____
1036	BLUE DIAMOND PROVIDE AND PLANT CREOSOTE BUSH	324	ea	\$____.____	\$_____.____
1037	BLUE DIAMOND PROVIDE AND PLANT WHITE BURSAGE	324	ea	\$____.____	\$_____.____
1038	BLUE DIAMOND PROVIDE AND PLANT MOHAVE YUCCA	135	ea	\$____.____	\$_____.____
1039	BLUE DIAMOND PROVIDE AND PLANT HEDGEHOG CACTUS	32	ea	\$____.____	\$_____.____
1040	BLUE DIAMOND PROVIDE AND PLANT PENCIL CHOLLA	32	ea	\$____.____	\$_____.____
1041	BLUE DIAMOND PROVIDE AND PLANT ANDERSON WOLFBERRY	108	ea	\$____.____	\$_____.____

OPTION NO. 1		Unit			
Item	Description	Quantity	Unit	Price	Amount
1042	BLUE DIAMOND PROVIDE AND PLANT BEAVERTAIL CACTUS	32	ea	\$____.____	\$_____.____
1043	BLUE DIAMOND PROVIDE SEEDING AND FERTILIZATION	5.4	HA	\$____.____	\$_____.____
1044	BLUE DIAMOND PROVIDE 1 YEAR IRRIGATION AND MAINTENANCE	1.00	Job	LS	\$_____.____
1045	FLAMINGO BASIN PROVIDE AND PLANT MORMON TEA	205	ea	\$____.____	\$_____.____
1046	FLAMINGO BASIN PROVIDE AND PLANT CREOSOTE BUSH	246	ea	\$____.____	\$_____.____
1047	FLAMINGO BASIN PROVIDE AND PLANT WHITE BURSAGE	246	ea	\$____.____	\$_____.____
1048	FLAMINGO BASIN PROVIDE AND PLANT HEDGEHOG CACTUS	24	ea	\$____.____	\$_____.____
1049	FLAMINGO BASIN PROVIDE AND PLANT PENCIL CHOLLA	24	ea	\$____.____	\$_____.____
1050	FLAMINGO BASIN PROVIDE AND PLANT ANDERSON WOLFBERRY	82	ea	\$____.____	\$_____.____
1051	FLAMINGO BASIN PROVIDE AND PLANT BEAVERTAIL CACTUS	24	ea	\$____.____	\$_____.____
1052	FLAMINGO BASIN PROVIDE SEEDING AND FERTILIZATION	4.1	HA	\$____.____	\$_____.____
1053	FLAMINGO BASIN PROVIDE 1 YEAR IRRIGATION AND MAINTENANCE	1.00	Job	LS	\$_____.____
1054	ONE YEAR GUARANTEE ON LANDSCAPE WORK AT BLUE DIAMOND BASIN	1.00	Job	LS	\$_____.____
1055	ONE YEAR GUARANTEE ON LANDSCAPE WORK AT FLAMINGO BASIN	1.00	Job	LS	\$_____.____
1056	BLUE DIAMOND DETENTION BASIN LANDSCAPE FILL	8,300	m ³	\$____.____	\$_____.____

OPTION NO. 1

Item	Description	Quantity	Unit	Price	Amount
1057	FLAMINGO DETENTION BASIN LANDSCAPE FILL	1,100	m ³	\$____.____	\$_____.____
1058	CONSTRUCTION WATER OPTION NO. 1	1.00	Job	LS \$____.____	

SUBTOTAL ESTIMATED AMOUNT OF OPTION
NO. 1 BID ITEMS

\$_____.

(Line Items 1001 through 1058)

1.3 OPTION NO. 2

Item	Description	Quantity	Unit	Price	Amount
2001	TRAFFIC CONTROL OPTION NO. 2	1.00	Job	LS	\$____.____
2002	DIVERSION AND CONTROL OF WATER OPTION NO. 2	1.00	Job	LS	\$____.____
2003	CLEAR SITE AND REMOVE OBSTRUCTIONS, OPTION NO. 2	1.00	Job	LS	\$____.____
2004	EXCAVATION CHANNEL, NON BLM LAND, OPTION NO. 2	9,500	m ³	\$____.____	\$____.____
2005	EXCAVATION CHANNEL, BLM LAND, OPTION NO. 2	24,750	m ³	\$____.____	\$____.____
2006	EXCAVATION F-4 DEBRIS BASIN, BLM LAND	123,000	m ³	\$____.____	\$____.____
2007	COMPACTED FILL, CHANNEL, BLM LAND, OPTION NO. 2	11,500	m ³	\$____.____	\$____.____
2008	COMPACTED FILL, F-4 DEBRIS BASIN EMBANKMENT AND INVERT, BLM LAND	45,510	m ³	\$____.____	\$____.____
2009	MISCELLANEOUS FILL, F-4 DEBRIS BASIN EMBANKMENT AND INVERT, BLM LAND	24,150	m ³	\$____.____	\$____.____
2010	CONCRETE, OPEN CHANNEL INVERT SLAB OPTION NO. 2	1,665	m ³	\$____.____	\$____.____
2011	CONCRETE, OPEN CHANNEL WALLS OPTION NO. 2	1,140	m ³	\$____.____	\$____.____
2012	REINFORCING STEEL OPTION NO. 2	245	t	\$____.____	\$____.____
2013	AGGREGATE BASE COURSE OPTION NO. 2	1,950	t	\$____.____	\$____.____
2014	ASPHALT CONCRETE PAVEMENT OPTION NO. 2	500	t	\$____.____	\$____.____

OPTION NO. 2

Item	Description	Quantity	Unit	Price	Amount
2015	WEEPHOLE SYSTEM OPTION NO. 2	1.00	Job	LS	\$____.____
2016	TRANSITION WALL STRUCTURE # 7 (F-4 CHANNEL DOWNSTREAM RCB # 4)	1.00	Job	LS	\$____.____
2017	RCB # 4 (F-4 CHANNEL AT FORT APACHE)	1.00	Job	LS	\$____.____
2018	TRANSITION WALL STRUCTURE # 8 (F-4 CHANNEL UPSTREAM RCB # 4)	1.00	Job	LS	\$____.____
2019	INVERT ACCESS RAMP # 3	1.00	Job	LS	\$____.____
2020	TRANSITION WALL STRUCTURE # 9 (F-4 CHANNEL UPSTREAM RCB # 5)	1.00	Job	LS	\$____.____
2021	RCB # 5 (F-4 CHANNEL AT FORT APACHE)	1.00	Job	LS	\$____.____
2022	TRANSITION WALL STRUCTURE # 10 (F-4 CHANNEL UPSTREAM RCB # 5)	1.00	Job	LS	\$____.____
2023	DEBRIS BASIN EMBANKMENT SOIL CEMENT ARMOR	5,650	m ³	\$____.____	\$____.____
2024	PORTLAND CEMENT FOR SOIL CEMENT	1,362	t	\$____.____	\$____.____
2025	POZZOLAN FOR SOIL CEMENT	176	t	\$____.____	\$____.____
2026	DEBRIS BASIN LOW FLOW OUTLET RCB	1.00	Job	LS	\$____.____
2027	DEBRIS BASIN LOW FLOW OUTLET TOWER	1.00	Job	LS	\$____.____
2028	OUTLET CONDUIT SIDE DRAIN STRUCTURE STA. 64+95.108 RT 0.910 X 0.910 RCB	1.00	Job	LS	\$____.____
2029	SIDE DRAIN, F-4 CHANNEL STA. 60+97.118 RT 0.457 RCP	1.00	Job	LS	\$____.____

OPTION NO. 2

Item	Description	Quantity	Unit	Price	Amount
2030	SIDE DRAIN, F-4 CHANNEL STA. 62+31.759 RT 0.457 RCP	1.00	Job	LS \$_____.	_____.
2031	SIDE DRAIN, F-4 CHANNEL STA. 64+90.674 LT 1.525 RCP (INTO SLOTTED CHAMBER)	1.00	Job	LS \$_____.	_____.
2032	SLOTTED CHAMBER	1.00	Job	LS \$_____.	_____.
2033	MANHOLES FOR RCB CONDUITS, CULVERTS, AND LATERALS OPTION NO. 2	1.00	Job	LS \$_____.	_____.
2034	CHAIN LINK FENCE, 1.829 M HIGH 9 GAGE OPTION NO. 2	2,100	m	\$_____. \$_____.	_____.
2035	POST AND CABLE RAILING OPTION NO. 2	2,065	m	\$_____. \$_____.	_____.
2036	DOUBLE SWING GATES OPTION NO. 2	10	ea	\$_____. \$_____.	_____.
2037	PRE-EMERGENT HERBICIDE AND PIGMENTED DUST PALLIATIVE/SOIL STABILIZER ON NON-REVEGETATED AREAS OF DEBRIS BASIN EMBANKMENT, INVERT, AND CHANNEL OPTION NO. 2	21.9	HA	\$_____. \$_____.	_____.
2038	STATION MARKINGS OPTION NO. 2	1.00	Job	LS \$_____.	_____.
2039	LADDER SYSTEMS OPTION NO. 2	1.00	Job	LS \$_____.	_____.
2040	COMPACTED FILL, GRADING EASEMENTS (GE), F-4 CHANNEL OPTION NO. 2 AREA, NON-BLM MATERIALS	1,100	m ³	\$_____. \$_____.	_____.
2041	PROVIDE IRRIGATION FOR 1 YEAR AFTER CONSTRUCTION AT F-4 DEBRIS BASIN	1.00	Job	LS \$_____.	_____.
2042	ONE YEAR GUARANTEE ON LANDSCAPE WORK AT F-4 DEBRIS BASIN	1.00	Job	LS \$_____.	_____.

OPTION NO. 2

Item	Description	Quantity	Unit	Price	Amount
2043	TRANSPLANT TO F-4 BASIN CACTUS	79	ea	\$____.____	\$____.____
2044	TRANSPLANT TO F-4 BASIN CREOSOTE BUSH	240	ea	\$____.____	\$____.____
2045	TRANSPLANT TO F-4 BASIN WHITE BURSAGE	240	ea	\$____.____	\$____.____
2046	TRANSPLANT TO F-4 BASIN MOHAVE YUCCA	302	ea	\$____.____	\$____.____
2047	TRANSPLANT TO F-4 BASIN MORMON TEA	120	ea	\$____.____	\$____.____
2048	PLACE TOPSOIL TO FINISH GRADE, F-4 DEBRIS BASIN EMBANKMENT DOWNSTREAM SURFACE	10,000	m ³	\$____.____	\$____.____
2049	SEEDING AND FERTILIZATION, F-4 DEBRIS BASIN EMBANKMENT DOWNSTREAM SURFACE	2.9	HA	\$____.____	\$____.____
2050	PROVIDE BROWSE PROTECTION F-4 DEBRIS BASIN	480	ea	\$____.____	\$____.____
2051	SIMULATED DESERT VARNISH ROCK COLOR MITIGATION	1.00	Job	LS	\$____.____
2052	SOIL SAMPLING AND TESTING FOR FERTILITY, F-4 DEBRIS BASIN	4	ea	\$____.____	\$____.____
2053	PIGMENTED DUST PALLIATIVE/SOIL STABILIZER ONLY ON REVEGETATED AREAS	2.4	HA	\$____.____	\$____.____
2054	UTILITY CROSSING ITEMS OPTION NO. 2	1.00	Job	LS	\$____.____
2055	STORM WATER POLLUTION PREVENTION FACILITIES, OPTION NO. 2	1.00	Job	LS	\$____.____
2056	CLEAR SITE AND REMOVE OBSTRUCTIONS OPTION NO. 2 DRAWING SHEET DT29	1.00	Job	LS	\$____.____

OPTION NO. 2		Unit			
Item	Description	Quantity	Unit	Price	Amount
2057	BASIN DIVERSION LEVEE, BLM LAND	1.00	Job	LS	\$____.____
2058	F-4 BASIN 0.150 STONE / CALICHE	50	m ³	\$____.____	\$____.____
2059	COMPACTED FILL, CHANNEL, NON-BLM LAND, OPTION NO. 2	5,800	m ³	\$____.____	\$____.____
2060	SIDE DRAIN, F-4 CHANNEL STA. 59+90.406 RT 0.610 RCP	1.00	Job	LS	\$____.____
2061	SIDE DRAIN, F-4 CHANNEL STA. 59+29.590 RT 0.610 RCP	1.00	Job	LS	\$____.____
2062	SIDE DRAIN, F-4 CHANNEL STA. 57+74.586 RT 0.610 RCP	1.00	Job	LS	\$____.____
2063	SIDE DRAIN, F-4 CHANNEL STA. 56+89.543 RT 0.457 RCP	1.00	Job	LS	\$____.____
2064	BASIN DEPTH GAGE, SEDIMENT STAFF GAGES, AND METAL BEAM GUARDRAILS	1.00	Job	LS	\$____.____
2065	BASIN STILLING WELL	1.00	Job	LS	\$____.____
2066	CONSTRUCTION WATER OPTION NO. 2	1.00	Job	LS	\$____.____
SUBTOTAL ESTIMATED AMOUNT OF OPTION NO. 2 BID ITEMS (Line Items 2001 through 2066)					\$____.____
TOTAL ESTIMATED AMOUNT: (Base Bid and Option No.1 and No.2 Bid Items)					\$____.____

Abbreviations:

m	=	meter
m ³	=	cubic meter
m ²	=	square meter
t	=	metric ton (1000 kilograms)
ea	=	each
LS	=	lump sum
HA	=	hectare

SECTION 00010 - SOLICITATION CONTRACT FORM

CLAUSES INCORPORATED BY FULL TEXT

1. All extensions of the unit prices shown will be subject to verification by the Government. In case of variation between the unit price and the extension, the unit price will be considered to be the bid.
2. If a modification to a bid based on unit prices is submitted which provides for a lump sum adjustment to the total estimated amount, the application of the lump sum adjustment to each unit price in the Price Schedule must be stated. If it is not stated, the bidder agrees that the lump sum adjustment shall be applied on a pro rata basis to every unit price in the Price Schedule.
3. Prices must be submitted on all individual items of the Price Schedule, otherwise the bid will be considered non-responsive and will be rejected.
4. For the purpose of initial evaluation of bids, the following will be utilized in resolving arithmetic discrepancies found on the face of the Price Schedule as submitted by the bidder:
 - a. Obviously misplaced decimal points will be corrected;
 - b. In case of discrepancy between the unit price and the extended price, the unit price will govern;
 - c. Apparent errors in extensions of unit prices will be corrected;
 - d. Apparent errors in addition of lump sum and extended prices will be corrected.
5. For the purpose of bid evaluation, the Government will proceed on the assumption that the bidder intends the bid to be evaluated on the basis of unit prices the totals arrived at by the resolution of arithmetic discrepancies as provided above and the bid will be so reflected on the abstract of bids.
6. The lump sum "LS" line items in the Price Schedule are not "Estimated Quantity" line items and are not subject to the "Variation in Estimated Quantity" contract clause.
7. The Contract Clause 52.232-27, "Prompt Payment for Construction Contracts" requires that the name and address of the contractor official, to whom payment is to be sent, be the same as that in the contract or in a proper Notice of Assignment.
8. Principal Contracting Officer. The Contracting Officer who signs this contract will be the Principal Contracting Officer for this contract. However, any Contracting Officer assigned to the Los Angeles District, contracting within his authority, may take formal action on this contract when the Principal Contracting Officer is unavailable and the action needs to be taken.

9. Amounts and prices shall be indicated in either words or figures, NOT BOTH.

10. Payment of Electronic Funds Transfer (EFT) is the mandatory method of payment. The Contractors attention is directed to Contract Clause NO. 52.232-33 "Mandatory Information for Electronic Funds Transfer" located in Section 00800.

11. The bidder shall distribute his indirect costs (overhead, profit, bond, etc.,) over all items in the Price Schedule. The Government will review all submitted Price Schedules for any unbalancing of the items. Any submitted Price Schedule determined to be unbalanced may be considered nonresponsive and cause the bidder to be ineligible for contract award.

12. The bidder shall furnish all plant, labor, material, equipment, etc., necessary to perform all work in strict accordance with the terms and conditions set forth in the contract in include all attachments thereto.

13. Some quantities are ESTIMATED, the bidders prices MUST BE FIRM.

14. Bidder is cautioned to check his Price Schedule carefully prior to submission. If the Price Schedule contains unit prices, they should be round off to the second decimal point only NOT EXTENDED FUTHER.

15. Contractor is required to fill in Cage code (Reference Section 00600, entitled "Required Central Contractor Registration" Mar 1998) and DUNS Number (Reference Section 00600, entitled, "Data Universal Numbering System (DUNS) Number" Jun1999) in Block No. 15 on Standard Form 1442, Name and Address Block (Cage Code under Code and DUNS No. under Facility Code respectively).

16. The Government contemplates award on one contract to the responsive, responsible bidder who submits the low bid for the total of all the items in the Bid Schedule.

17. EVALUATION OF OPTIONS: (FAR 52.217-5) (JUL 1990) Except when it is determined in accordance with FAR 17/206(b) not to be in the Government's best interests, the Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirements. Evaluation of options will not obligate the Government to exercise the option(s).

18. EXERCISE OF OPTIONS. The Government reserves the right to exercise the option(s) by written notice to the Contractor either singularly or in any combination for up to the following calendar days after the Note To Proceed (NTP) without an increase in the Offeror's bid price. Completion of added options shall continue at the same schedule as the Base Bid unless otherwise noted in the SPECIAL CLAUSES, Paragraph 1, COMMENCEMENT, PROSECUTION AND COMPLETION OF WORK.

OPTION NO. 01 - The Government reserves the right to Award Option No. 1 within 160 Calendar Days from Contractor Receipt of Notice to Proceed of the contract base bid work.

OPTION NO. 02 - The Government reserves the right to Award Option No. 2 within 250 Calendar Days from Contractor Receipt of Notice to Proceed

of the contract base bid work.

19. MANDATORY WORK STOPPAGES - DELETE PARAGRAPH IN ENTIRETY

IFB NO.: W912PL-04-B-0002

CONTRACT NO.:

CERTIFICATE OF CORPORATE PRINCIPAL

1) IF THE OFFEROR IS A JOINT VENTURE, COMPLETE THE FOLLOWING:

_____ (Company Name)	_____ (Signature)	_____ (Title)
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_____ (Company Name)	_____ (Signature)	_____ (Title)
-------------------------	----------------------	------------------

_____ (Company Name)	_____ (Signature)	_____ (Title)
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2) IF THE OFFEROR IS PARTNERSHIP, LIST FULL NAME OF ALL PARTNERS:

_____ (Company Name)	_____ (Signature)	_____ (Title)
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_____ (Company Name)	_____ (Signature)	_____ (Title)
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_____ (Company Name)	_____ (Signature)	_____ (Title)
-------------------------	----------------------	------------------

3) IF THE OFFEROR IS A CORPORATION, THE FOLLOWING CERTIFICATION SHOULD BE COMPLETED:

CERTIFICATION AS TO CORPORATE PRINCIPAL

I, _____, certify
that I am the Secretary of the corporation named as principal in the

within contract; that _____, who
signed the said contract on behalf of the principal, was the

_____ of the
corporation; that I know his signature and that his signature is genuine;
and that said contract was duly signed, sealed and attested for in behalf
of said corporation by authority of its governing body.

CORPORATE PRINCIPAL

CORPORATE SEAL

SECRETARY

PART 2 PRODUCTS (Not Used)

PART 3 EXECUTION (Not Used)

-- End of Section --

SECTION 00800b
DRAWING INDEX

SHEET NUMBER	CAL FILENAME	CADD FILENAME	REVISION NUMBER	DESCRIPTION
T01	T01.CAL	214/057	REV 'A'	VICINITY MAP, PROJECT LOCATION MAP
T02	T02.CAL	214/058	REV 'D'	INDEX TO CONTRACT DRAWINGS, ABBREVIATIONS, AND SYMBOLS
T03	T03.CAL	214/059	REV 'A'	CONTROL POINTS, ABBREVIATIONS, AND SYMBOLS
T04	T04.CAL	214/060	REV 'A'	SURVEY CONTROL MAP
T05	T05.CAL	214/061	REV 'A'	SURVEY CONTROL MAP
T06	T06.CAL	214/062		WORK LIMITS, STA 66+74.000 TO STA.DGN 65+20.000
T07	T07.CAL	214/063	REV 'A'	WORK LIMITS, STA 65+20.000 TO STA.DGN 58+80.000
T08	T08.CAL	214/064	REV 'A'	WORK LIMITS, STA 58+80.000 TO STA.DGN 51+60.000
T09	T09.CAL	214/065		WORK LIMITS, STA 51+60.DGN000 TO STA.DGN 44+60.DGN000
T10	T10.CAL	214/066	REV 'A'	WORK LIMITS, STA 44+60.000 TO STA.DGN 37+40.000
T11	T11.CAL	214/067	REV 'A'	WORK LIMITS, STA 37+40.000 TO STA.DGN 30+60.000
T12	T12.CAL	214/068	REV 'A'	WORK LIMITS, STA 30+60.000 TO STA.DGN 24+60.000
T13	T13.CAL	214/069	REV 'A'	WORK LIMITS, STA 24+60.000 TO STA.DGN 23+07.000
T14	T14.CAL	214/070	REV 'A'	DISPOSAL SITE
C01	C01.CAL	214/071.1	REV 'B'	PLAN AND PROFILE, STA. 66+74.475 TO STA. 65+00.000
C02	C02.CAL	214/072.1	REV 'B'	PLAN AND PROFILE, STA. 65+00.000 TO STA. 62+00.000
C03	C03.CAL	214/073.1	REV 'B'	PLAN AND PROFILE, STA. 62+00.000 TO STA. 59+40.000
C04	C04.CAL	214/074.1	REV 'B'	PLAN AND PROFILE, STA. 59+40.000 TO STA. 56+80.000
C05	C05.CAL	214/075.1	REV 'B'	PLAN AND PROFILE, STA. 56+80.000 TO STA. 54+20.000
C06	C06.CAL	214/076.1	REV 'B'	PLAN AND PROFILE, STA. 54+20.000 TO STA. 51+40.000
C07	C07.CAL	214/077.1	REV 'C'	PLAN AND PROFILE, STA. 51+40.000 TO STA. 49+00.000
C08	C08.CAL	214/078.1	REV 'C'	PLAN AND PROFILE, STA. 49+00.000 TO STA. 46+00.000
C09	C09.CAL	214/079.1	REV 'D'	PLAN AND PROFILE, STA. 46+00.000 TO STA. 43+00.000
C10	C10.CAL	214/080.1	REV 'C'	PLAN AND PROFILE, STA. 43+00.000 TO STA. 40+40.000
C11	C11.CAL	214/081.1	REV 'C'	PLAN AND PROFILE, STA. 40+40.000 TO STA. 38+00.000
C12	C12.CAL	214/082.1	REV 'C'	PLAN AND PROFILE, STA. 38+00.000 TO STA. 35+20.000
C13	C13.CAL	214/083.1	REV 'B'	PLAN AND PROFILE, STA. 35+20.000 TO STA. 32+80.000
C14	C14.CAL	214/084.1	REV 'B'	PLAN AND PROFILE, STA. 32+80.000 TO STA. 29+80.000
C15	C15.CAL	214/085.1	REV 'C'	PLAN AND PROFILE, STA. 29+80.000 TO STA. 27+00.000
C16	C16.CAL	214/086.1	REV 'B'	PLAN AND PROFILE, STA. 27+00.000 TO STA. 25+00.000
C17	C17.CAL	214/087.1	REV 'B'	PLAN AND PROFILE, STA. 25+00.000 TO STA. 23+07.420
C18	C18.CAL	214/088.1	REV 'B'	PLAN AND PROFILE, F-3 CHANNEL
C19	C19.CAL	214/089.1	REV 'B'	PLAN AND PROFILE, 5TH CELL
C20	C20.CAL	214/090.1	REV 'B'	PLAN AND PROFILE, PATRICK LATERAL
C21	C21.CAL	214/091.1	REV 'B'	F3 GRADING PLAN
C22	C22.CAL	214/092	REV 'B'	CROSS SECTIONS, STA. 66+60.000 TO STA. 64+80.000
C23	C23.CAL	214/093	REV 'A'	CROSS SECTIONS, STA. 64+40.000 TO STA. 62+50.000
C24	C24.CAL	214/094	REV 'A'	CROSS SECTIONS, STA. 62+00.000 TO STA. 60+00.000
C25	C25.CAL	214/095	REV 'A'	CROSS SECTIONS, STA. 59+00.000 TO STA. 57+00.000
C26	C26.CAL	214/096	REV 'A'	CROSS SECTIONS, STA. 56+00.000 TO STA. 53+60.000
C27	C27.CAL	214/097	REV 'A'	CROSS SECTIONS, STA. 53+20.000 TO STA. 51+00.000
C28	C28.CAL	214/098		CROSS SECTIONS, STA. 50+00.000 TO STA. 48+00.000
C29	C29.CAL	214/099	REV 'A'	CROSS SECTIONS, STA. 47+00.000 TO STA. 45+00.000
C30	C30.CAL	214/100	REV 'B'	CROSS SECTIONS, STA. 44+40.000 TO STA. 42+00.000
C31	C31.CAL	214/101	REV 'B'	CROSS SECTIONS, STA. 40+30.000 TO STA. 37+00.000
C32	C32.CAL	214/102	REV 'A'	CROSS SECTIONS, STA. 36+31.156 TO STA. 35+40.000
C33	C33.CAL	214/103		CROSS SECTIONS, STA. 34+80.000 TO STA. 33+60.000
C34	C34.CAL	214/104	REV 'B'	CROSS SECTIONS, STA. 32+40.000 TO STA. 31+25.000
C35	C35.CAL	214/105	REV 'B'	CROSS SECTIONS, STA. 31+00.000 TO STA. 30+00.000
C36	C36.CAL	214/106	REV 'A'	CROSS SECTIONS, STA. 29+50.000 TO STA. 28+25.000
C37	C37.CAL	214/107	REV 'A'	CROSS SECTIONS, STA. 27+60.000 TO STA. 25+50.000
C38	C38.CAL	214/108	REV 'A'	CROSS SECTIONS, STA. 24+50.000 TO STA. 23+60.000
C39	C39.CAL	214/109	REV 'A'	CROSS SECTIONS, STA. 13+58.286 TO STA. 12+25.000
C40	C40.CAL	214/110	REV 'A'	CROSS SECTIONS, STA. 12+12.449 TO STA. 11+47.155
C41	C41.CAL	214/111	REV 'A'	CROSS SECTIONS, STA. 10+90.000 TO STA. 10+05.000
C42	C42.CAL	214/112.1		CONCRETE OVERFLOW STRUCTURE
C43	C43.CAL	214/113	REV 'A'	NON-BLM MATERIAL DISPOSAL SITE
C44	C44.CAL	214/114	REV 'A'	BLM MATERIAL DISPOSAL SITE
DB01	DB01.CAL	214/116.1		HYDROLOGIC INFORMATION AND CAPACITY CURVES+D23
DB02	DB02.CAL	214/117.1	REV 'C'	DEBRIS BASIN GENERAL PLAN
DB03	DB03.CAL	214/118.1	REV 'B'	BASIN LAYOUT AND GRADING PLAN NO. 1
DB04	DB04.CAL	214/119.1		BASIN LAYOUT AND GRADING PLAN NO. 2
DB05	DB05.CAL	214/120.1		EMBANKMENT PLAN
DB06	DB06.CAL	214/121		EMBANKMENT PROFILE
DB07	DB07.CAL	214/122.1		CROSS SECTIONS - EMBANKMENT, STA. 10+00.000 TO STA. 11+60.000

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DRAWING INDEX

SHEET NUMBER	CAL FILENAME	CADD FILENAME	REVISION NUMBER	DESCRIPTION
DB08	DB08.CAL	214/123.1	REV 'B'	CROSS SECTIONS - EMBANKMENT, STA. 12+40.000 TO STA. 14+00.000
DB09	DB09.CAL	214/124.1	REV 'B'	CROSS SECTIONS - BASIN, STA. 67+25.000 TO 67+90.000
DB10	DB10.CAL	214/125.1		CROSS SECTIONS - BASIN SECTIONS AND DETAILS - EMBANKMENT
DB11	DB11.CAL	214/126.1		OUTLET WORKS CONDUIT, PLAN AND PROFILE
DB12	DB12.CAL	214/127.1		ACCESS RAMP NO. 1 AND NO. 2, PLAN, PROFILES, AND SECTIONS
DB13	DB13.CAL	214/128.1		ACCESS RAMP NO. 3 AND NO. 4, PLAN, PROFILES, AND SECTIONS
DB14	DB14.CAL	214/129.1		DIVERSION LEVEE AND TORTISE FENCING DETAILS, PLAN, PROFILES, AND SECTION
DB15	DB15.CAL	214/130.1		BASIN DEPTH GAGE AND SEDIMENT STAFF GAGE DETAILS
DB16	DB16.CAL	214/131.1		STILLING WELL DETAILS
DB17	DB17.CAL	214/132.1		STAFF GAGE, STILLING WELL, AND MONUMENT DETAILS
DB18	DB18.CAL	214/133.1		ACCESS RAMP DETAILS
S01	S01.CAL	214/140		GENERAL STRUCTURAL NOTES AND DETAILS
S02	S02.CAL	214/141	REV 'B'	CHANNEL WALL SCHEDULE, DETAILS AND INVERT ACCESS LADDER DETAILS
S03	S03.CAL	214/142	REV 'B'	BOX CONDUIT SCHEDULE AND DETAILS
S04	S04.CAL	214/143	REV 'B'	PATRICK CONFLUENCE, PLAN, SECTIONS AND DETAILS
S05	S05.CAL	214/144	REV 'B'	PATRICK CONFLUENCE, SECTIONS AND DETAILS
S06	S06.CAL	214/145	REV 'B'	F3 CONFLUENCE, PLAN, SECTIONS, AND DETAILS
S07	S07.CAL	214/146	REV 'B'	F3 CONFLUENCE, SECTIONS AND DETAILS NO. 1
S08	S08.CAL	214/147	REV 'B'	F3 CONFLUENCE, SECTIONS AND DETAILS NO. 2
S09	S09.CAL	214/148	REV 'B'	PIER NOSE, ELEVATION, SECTIONS AND DETAILS
S10	S10.CAL	214/149	REV 'B'	PIER NOSE, SECTIONS AND DETAILS
S11	S11.CAL	214/150	REV 'A'	F3 INVERT ACCESS RAMP, PLAN, PROFILE, SECTIONS, AND DETAILS, STA. 11+63.681 TO STA. 11+10.201
S12	S12.CAL	214/151	REV 'A'	F4 INVERT ACCESS RAMP, PLAN, PROFILE, AND SECTIONS, STA. 53+95.706 TO STA. 53+42.000
S13	S13.CAL	214/152	REV 'A'	F4 INVERT ACCESS RAMP, PLAN, PROFILE, AND SECTIONS, STA. 62+98.000 TO STA. 62+42.308
S14	S14.CAL	214/153	REV 'B'	MANHOLE AND MISCELLANEOUS DETAILS
S15	S15.CAL	214/154	REV 'B'	SIDE DRAIN TABULATION AND DETAILS
S16	S16.CAL	214/155	REV 'B'	SIDE DRAIN DETAILS
S17	S17.CAL	214/156	REV 'A'	SLOTTED CHAMBER INLET, PLAN AND SECTIONS
S18	S18.CAL	214/157	REV 'B'	F-3 CONFLUENCE, SECTIONS AND DETAILS NO. 3
S19	SHEET DELETED		REV 'A'	SHEET DELETED
S20	S20.CAL	214/159	REV 'A'	MANHOLE, COVER, FRAME AND DETAILS
S21	S21.CAL	214/160	REV 'A'	MANHOLE FOR SLOTTED CHAMBER
S22	S22.CAL	214/161	REV 'A'	WATERLINE @F4, STA.52+67.301, SECTIONS AND DETAILS
S23	S23.CAL	214/162	REV 'A'	SEWERLINE @ 5TH CELL, STA. 11+77.396, SECTIONS AND DETAILS
S24	S24.CAL	214/163	REV 'A'	TRANSITION DETAILS
S25	S25.CAL	214/164	REV 'A'	OUTLET WORKS, INTAKE TOWER PLAN, SECTIONS AND DETAILS
S26	S26.CAL	214/165	REV 'A'	SPILLWAY, PLAN, SECTIONS AND SCHEDULE
M01	M01.CAL	214/170	REV 'A'	CHAIN LINK FENCING AND MAINTENANCE ROAD DETAILS
M02	M02.CAL	214/171		PIPE ACCESS RAMP GATE DETAILS AND SECTIONS
M03	M03.CAL	214/172		POST AND CABLE SAFETY RAILING DETAILS
M04	M04.CAL	214/173		CHAIN LINK FENCING OVER CHANNEL WALL
G01	G01.CAL	214/178		PLAN OF EXPLORATION
G02	G02.CAL	214/179		PLAN OF EXPLORATION
G03	G03.CAL	214/180		PLAN OF EXPLORATION
G04	G04.CAL	214/181		PLAN OF EXPLORATION
G05	G05.CAL	214/182		PLAN OF EXPLORATION
G06	G06.CAL	214/183		PLAN OF EXPLORATION
G07	G07.CAL	214/184		PLAN OF EXPLORATION
G08	G08.CAL	214/185		SOIL CLASSIFICATION, AND GENERAL NOTES
G09	G09.CAL	214/186		LOGS OF EXPLORATION
G10	G10.CAL	214/187		LOGS OF EXPLORATION
G11	G11.CAL	214/188		LOGS OF EXPLORATION
G12	G12.CAL	214/189		LOGS OF EXPLORATION
G13	G13.CAL	214/190		LOGS OF EXPLORATION
G14	G14.CAL	214/191		LOGS OF EXPLORATION
G15	G15.CAL	214/192		LOGS OF EXPLORATION
G16	G16.CAL	214/193		LOGS OF ROTARY DRILLING
G17	G17.CAL	214/194		LOGS OF ROTARY DRILLING
G18	G18.CAL	214/195		LOGS OF ROTARY DRILLING
G19	G19.CAL	214/196		LOGS OF ROTARY DRILLING
L01	L01.CAL	214/204	REV 'A'	F-4 BASIN LANDSCAPE PLAN

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SHEET NUMBER	CAL FILENAME	CADD FILENAME	REVISION NUMBER	DESCRIPTION
L02	L02.CAL	214/205	REV 'A'	PLANT LIST AND NOTES
L03	L03.CAL	214/206		LANDSCAPE DETAILS AND NOTES
L04	L04.CAL	214/207		BLUE DIAMOND DETENTION BASIN LANDSCAPE PLAN
L05	L05.CAL	214/208		FLAMINGO DETENTION BASIN LANDSCAPE PLAN
L06	L06.CAL	214/209		FLAMINGO DETENTION BASIN LANDSCAPE PLAN
DT01	DT01.CAL	214/215		DETOUR ROAD (PHASE 1)
DT02	DT02.CAL	214/216		DETOUR ROAD (PHASE 1)
DT03	DT03.CAL	214/217		DETOUR ROAD (PHASE 1)
DT04	DT04.CAL	214/218		SUNSET ROAD DETOUR ROAD (PHASE 2)
DT05	DT05.CAL	214/219		DETOUR ROAD (PHASE 2)
DT06	DT06.CAL	214/220		ROAD RECONSTRUCTION
DT07	DT07.CAL	214/221		ROAD RECONSTRUCTION
DT08	DT08.CAL	214/222		ROAD RECONSTRUCTION
DT09	DT09.CAL	214/223		ROAD RECONSTRUCTION
DT10	DT10.CAL	214/224		ROAD RECONSTRUCTION
DT11	DT11.CAL	214/225		ROAD RECONSTRUCTION
DT12	DT12.CAL	214/226		DETOUR SIGNAGE & STRIPING
DT13	DT13.CAL	214/227		DETOUR SIGNAGE & STRIPING
DT14	DT14.CAL	214/228		SUNSET ROAD DETOUR SIGNAGE & STRIPING (PHASE 1)
DT15	DT15.CAL	214/229		SUNSET ROAD DETOUR SIGNAGE & STRIPING (PHASE 2)
DT16	DT16.CAL	214/230		POST ROAD DETOUR SIGNAGE & STRIPING
DT17	DT17.CAL	214/231		RECONSTRUCTION SIGNAGE & STRIPING
DT18	DT18.CAL	214/232		RECONSTRUCTION SIGNAGE & STRIPING
DT19	DT19.CAL	214/233		RECONSTRUCTION SIGNAGE & STRIPING
DT20	DT20.CAL	214/234		RECONSTRUCTION SIGNAGE & STRIPING
DT21	DT21.CAL	214/235		RECONSTRUCTION SIGNAGE & STRIPING
DT22	DT22.CAL	214/236		DETOUR ROAD REMOVALS
DT23	DT23.CAL	214/237		DETOUR ROAD REMOVALS
DT24	DT24.CAL	214/238		DETOUR ROAD REMOVALS
DT25	DT25.CAL	214/239		DETOUR ROAD REMOVALS
DT26	DT26.CAL	214/240		DETOUR ROAD REMOVALS
DT27	DT27.CAL	214/241		CULVERT CONNECTIONS
DT28	DT28.CAL	214/242		WALL DRAIN CONNECTION
DT29	DT29.CAL	214/243		DETENTION BASIN CONNECTION
DT30	DT30.CAL	214/244		CULVERT CONNECTIONS
DT31	DT31.CAL	214/245		CULVERT CONNECTIONS
DT32	DT32.CAL	214/246		POST STORM DRAIN CONNECTIONS
D01	D01.CAL			DETOUR ROAD WATERLINE RELOCATION
D02	D02.CAL			DETOUR ROAD WATERLINE RELOCATION
D03	D03.CAL			DETOUR ROAD WATERLINE RELOCATION
D04	D04.CAL			DETOUR SIGNING & STRIPING
D05	D05.CAL			DETOUR SIGNING & STRIPING
D06	D06.CAL			DETOUR SIGNING & STRIPING
D07	D07.CAL			ROAD RECONSTRUCTION WATERLINE RELOCATION

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DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01270

MEASUREMENT AND PAYMENT

PART 1 GENERAL

- 1.1 REFERENCES (NOT USED)
- 1.2 CONTRACT PRICE AND PAYMENT
- 1.3 BASE BID LUMP SUM PAYMENT ITEMS
- 1.4 BASE BID UNIT PRICE PAYMENT ITEMS
- 1.5 OPTION No. 1 AND OPTION No. 2 LUMP SUM PAYMENT ITEMS
- 1.6 OPTION No. 1 AND OPTION No. 2 UNIT PRICE PAYMENT ITEMS
- 1.7 TRAFFIC CONTROL, EXCEPT FOR OPTION NO. 1 AND OPTION NO. 2 (Bid Item 0001); TRAFFIC CONTROL, OPTION NO. 1 (Bid Item 1001); TRAFFIC CONTROL, OPTION NO. 2 (Bid Item 2001).).
- 1.8 DIVERSION AND CONTROL OF WATER EXCEPT OPTION NO. 1 AND OPTION NO. 2 (Bid Item 0002); DIVERSION AND CONTROL OF WATER OPTION NO. 1 (Bid Item 1002); DIVERSION AND CONTROL OF WATER OPTION NO. 2 (Bid Item 2002).).
- 1.9 [Enter Appropriate Subpart Title Here]

WARNING: Text in tags exceeds the maximum length of 300 characters

- 1.9.1 CLEAR SITE AND REMOVE OBSTRUCTIONS, POST AND FORT APACHE (Bid Item 0054)
- 1.10 STRIP AND STOCKPILE TOPSOIL, F-4 DEBRIS BASIN RIGHT OF WAY, F-4 CHANNEL RIGHT OF WAY, BLM LAND (Bid Item 1033).
 - 1.10.1 Measurement
 - 1.10.2 Payment
- 1.11 EXCAVATION
 - 1.11.1 [Enter Appropriate Subpart Title Here]

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- 1.11.1.1 Measurement
- 1.11.1.2 Payment
- 1.11.1.3 Excavation, F-4 Debris Basin
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 - 1.12.2.1 COMPACTED FILL, CHANNEL, NON-BLM LAND, EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0007).
 - 1.12.2.2 COMPACTED FILL, CHANNEL, NON-BLM LAND, OPTION NO. 1 (Bid Item 1007)..
 - 1.12.2.3 COMPACTED FILL, CHANNEL, BLM LANDS OPTION NO. 1 (Bid Item 1008)..
 - 1.12.2.4 COMPACTED FILL, CHANNEL, BLM LAND, OPTION NO. 2 (Bid Item 2007).
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 - 1.12.2.6 COMPACTED FILL, F-4 DEBRIS BASIN EMBANKMENT AND INVERT, BLM LAND (Bid Item 2008).
 - 1.12.2.7 COMPACTED FILL, GRADING EASEMENTS (GE), F-4 CHANNEL AND F-3 CHANNEL AND 5TH CELL STRUCTURE AREA, NON-BLM MATERIALS (Bid Item 0008); COMPACTED FILL, GRADING EASEMENTS (GE), F-4 CHANNEL OPTION NO. 2 AREA, NON-BLM MATERIALS (Bid Item 2040).).
 - 1.12.2.8 MISCELLANEOUS FILL, F-4 DEBRIS BASIN EMBANKMENT AND INVERT, BLM LAND (Bid Item 2009).
 - 1.12.2.9 BASIN DIVERSION LEVEE, BLM LAND (Bid Item 2057).
 - 1.12.2.10 F-4 BASIN 0.150 STONE / CALICHE (Bid Item 2058).
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- 1.19 TRANSITION WALL STRUCTURE # 1 (F-4 CHANNEL UPSTREAM AT BELTWAY) (Bid Item 0015).
- 1.20 CONFLUENCE STRUCTURE # 1 (F-4 CHANNEL AND PATRICK LATERAL) (Bid Item 0016).
- 1.21 TRANSITION WALL STRUCTURE # 2 (F-4 CHANNEL DOWNSTREAM PATRICK) (Bid Item 0017).
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- 1.34 RCB # 3B (F-4 CHANNEL RCB STA. 45+80.000 TO STA. 34+06.655) (Bid Item 1009)..
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- 1.40 TRANSITION WALL STRUCTURE # 8 (F-4 CHANNEL UPSTREAM RCB # 4) (Bid Item 2018)..
- 1.41 INVERT ACCESS RAMP # 3 (Bid Item 2019).
- 1.42 TRANSITION WALL STRUCTURE # 9 (F-4 CHANNEL DOWNSTREAM RCB # 5) (Bid Item 2020).
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- 1.51 SIDE DRAINS (Bid Items 0033, 0034, 0035, 0036, 0037, 0038, 0039, 0040, 1010, 1011, 1021, 1022, 1023, 2028, 2029, 2030, 2031, 2060, 2061, 2062, 2063)..
- 1.52 SLOTTED CHAMBER (Bid Item 2032)
- 1.53 MANHOLES FOR RCB CONDUITS, CULVERTS, AND LATERALS EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0047); MANHOLES FOR RCB CONDUITS, CULVERTS, AND LATERALS OPTION NO. 1 (Bid Item 1013); MANHOLES FOR RCB CONDUITS, CULVERTS, AND LATERALS OPTION NO. 2 (Bid Item 2033).33).
- 1.54 ROAD DETOURS EXCEPT FOR OPTION NO. 1 (Bid Item 0084); ROAD DETOURS OPTION NO. 1 (Bid Item 1020)..
- 1.55 CHAIN LINK FENCE, 1.829 M HIGH, 9 GAGE EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0048); CHAIN LINK FENCE, 1.829 M HIGH, 9 GAGE OPTION NO. 2. (Bid Item 2034)..
- 1.55.1 Measurement.
- 1.55.2 Payment.
- 1.56 POST AND CABLE RAILING EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0049); POST AND CABLE RAILING OPTION NO. 2 (Bid Item 2035)..
- 1.56.1 Measurement
- 1.56.2 Payment
- 1.57 DOUBLE SWING GATES EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0050); DOUBLE SWING GATES OPTION NO. 2 (Bid Item 2036)..
- 1.57.1 Measurement
- 1.57.2 Payment.
- 1.58 [Enter Appropriate Subpart Title Here]

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- 1.58.1 Measurement
- 1.58.2 Payment
- 1.59 STATION MARKINGS EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0052); STATION MARKINGS OPTION NO. 1 (Bid Item 1018); STATION MARKINGS OPTION NO. 2 (Bid Item 2038)..
- 1.60 AS-BUILT DRAWINGS ENTIRE PROJECT (Bid Item 0053).
- 1.60.1 Measurement
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- 1.61 LADDER SYSTEMS EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0046); LADDER SYSTEMS OPTION NO. 1 (Bid Item 1015); LADDER SYSTEMS OPTION NO. 2 (Bid Item 2039)..
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- 1.63 PROVIDE PLANT STORAGE IRRIGATION DURING CONSTRUCTION (Bid Item 1027)
- 1.64 PROVIDE IRRIGATION FOR ONE YEAR AFTER CONSTRUCTION AT F-4 DEBRIS BASIN (Bid Item 2041)
- 1.65 ONE YEAR GUARANTEE ON LANDSCAPE WORK AT BLUE DIAMOND BASIN (Bid Item 1054); ONE YEAR GUARANTEE ON LANDSCAPE WORK AT FLAMINGO BASIN (Bid Item 1055); ONE YEAR GUARANTEE ON LANDSCAPE WORK AT F-4 DEBRIS BASIN (Bid Item 2042)42)

- 1.66 TORTOISE FENCE, OPTION NO. 1 F-4 CHANNEL (Bid Item 1024); TORTOISE FENCE, F-4 DEBRIS BASIN (Bid Item 1025))
 - 1.66.1 Measurement
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- 1.67 SALVAGE, STORE, AND MAINTAIN PLANTS (Bid Items 1028 - 1032)
 - 1.67.1 Measurement
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- 1.68 TRANSPLANT TO F-4 BASIN (Bid Items 2043 - 2047)
 - 1.68.1 Measurement
 - 1.68.2 Payment
- 1.69 PLACE TOPSOIL TO FINISH GRADE, F-4 DEBRIS BASIN DOWNSTREAM EMBANKMENT SURFACE (Bid Item 2048)
 - 1.69.1 Measurement
 - 1.69.2 Payment
- 1.70 PROVIDE BROWSE PROTECTION, F-4 DEBRIS BASIN (Bid Item 2050)
- 1.71 SIMULATED DESERT VARNISH ROCK COLOR MITIGATION (Bid Item 2051)
 - 1.71.1 Measurement
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- 1.72 SOIL SAMPLING AND TESTING FOR FERTILITY, F-4 DEBRIS BASIN (Bid Item 2052))
 - 1.72.1 Measurement
 - 1.72.2 Payment
- 1.73 PIGMENTED DUST PALLIATIVE/SOIL STABILIZER ONLY ON REVEGETATED AREAS (Bid Item 2053)
 - 1.73.1 Measurement
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- 1.74 PROVIDE CHANNEL EXCAVATION SHORING (Bid Item 1006)
- 1.75 CLEAR SITE AND REMOVE OBSTRUCTIONS AT BLUE DIAMOND AND FLAMINGO DETENTION BASINS (Bid Item 1034).
- 1.76 ADJUST SEWER MANHOLE FRAMES AND COVERS EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0044); ADJUST SEWER MANHOLE FRAMES AND COVERS OPTION NO. 1 (Bid Item 1017)..
- 1.77 BLUE DIAMOND PROVIDE AND PLANT (Bid Items 1035-1042); FLAMINGO BASIN PROVIDE AND PLANT (Bid Items 1045-1051)
 - 1.77.1 Measurement
 - 1.77.2 Payment
- 1.78 BLUE DIAMOND PROVIDE SEEDING AND FERTILIZATION (Bid Item 1043); FLAMINGO BASIN PROVIDE SEEDING AND FERTILIZATION (Bid Item 1052); SEEDING AND FERTILIZATION, F-4 DEBRIS BASIN EMBANKMENT DOWNSTREAM SURFACE (Bid Item 2049)9)
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 - 1.78.2 Payment
- 1.79 BLUE DIAMOND PROVIDE 1 YEAR IRRIGATION AND MAINTENANCE (Bid Item 1044); FLAMINGO BASIN PROVIDE 1 YEAR IRRIGATION AND MAINTENANCE (Bid Item 1053)3)
- 1.80 UTILITY CROSSING ITEMS EXCEPT OPTION NO. 1 AND OPTION NO. 2 (Bid Item 0043); UTILITY CROSSING ITEMS OPTION NO. 1 (Bid Item 1019); UTILITY CROSSING ITEMS OPTION NO. 2 (Bid Item 2054)..
- 1.81 BLUE DIAMOND DETENTION BASIN LANDSCAPE FILL (Bid Item 1056); FLAMINGO DETENTION BASIN LANDSCAPE FILL (Bid Item 1057))
 - 1.81.1 Measurement
 - 1.81.2 Payment
- 1.82 CONSTRUCTION WATER EXCEPT OPTION NO. 1 AND OPTION NO. 2 (Bid Item 0056); CONSTRUCTION WATER OPTION NO. 1 (Bid Item 1058);

- CONSTRUCTION WATER OPTION NO. 2 (Bid Item 2066)..
- 1.83 SINGLE SWING GATE (Bid Item 0045).
 - 1.83.1 Measurement
 - 1.83.2 Payment.
 - 1.84 BASIN DEPTH GAGE, SEDIMENT STAFF GAGES, AND METAL BEAM GUARDRAILS (Bid Item 2064)
 - 1.85 BASIN STILLING WELL (Bid Items 2065)
 - 1.86 STORM WATER POLLUTION PREVENTION FACILITIES, EXCEPT OPTION NO. 1 AND OPTION NO. 2 (Bid Item 0055); STORM WATER POLLUTION PREVENTION FACILITIES, OPTION NO. 1 (Bid Item 1016); STORM WATER POLLUTION PREVENTION FACILITIES, OPTION NO. 2 (Bid Item 2055)..
 - 1.87 ROAD DETOURS AND ROAD RECONSTRUCTION EXCEPT OPTION NO. 1 (Bid Item 0042); ROAD DETOURS AND ROAD RECONSTRUCTION OPTION NO. 1 (Bid Item 1012)..

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

-- End of Section Table of Contents --

SECTION 01270

MEASUREMENT AND PAYMENT

PART 1 GENERAL

BLM Land area locations and boundaries are shown on the T sheets.

1.1 REFERENCES (NOT USED)

1.2 CONTRACT PRICE AND PAYMENT

The contract price and payment shall constitute full compensation as stated in the Contract Clause, CONTRACT PRICES - BIDDING SCHEDULES, for completion of the work. No separate payment will be made for any material or work necessary to complete the work that is not specifically mentioned, such materials and work shall be considered incidental to all bid items. As stated in Contract Clause, SPECIFICATIONS AND DRAWINGS FOR CONSTRUCTION, the word "provided" shall be understood to mean "furnished and installed" when used in this section or elsewhere in the technical sections.

1.3 BASE BID LUMP SUM PAYMENT ITEMS

Payment items for the work of this contract for which contract lump sum payments will be made are listed in the BIDDING SCHEDULE and described below. All costs for items of work, which are not specifically mentioned to be included in a particular lump sum or unit price payment item, shall be included in the listed lump sum item most closely associated with the work involved. The lump sum price and payment made for each item listed shall constitute full compensation for furnishing all plant, labor, materials, and equipment, and performing any associated Contractor quality control, environmental protection, meeting safety requirements, tests and reports, and for performing all work required for which separate payment is not otherwise provided. Base bid items includes channel construction work and all appurtenances as shown on the drawings. Base bid items does not include work per contract line items in the Option No. 1 and Option No. 2 features.

1.4 BASE BID UNIT PRICE PAYMENT ITEMS

Payment items for the work of this contract on which the contract unit price payments will be made are listed in the BIDDING SCHEDULE and described below. The unit price and payment made for each item listed shall constitute full compensation for furnishing all plant, labor, materials, and equipment, and performing any associated Contractor quality control, environmental protection, meeting safety requirements, tests and reports, and for performing all work required for each of the unit price items. Base bid items includes channel construction work and all appurtenances as shown on the drawings. Base bid items does not include work per contract line items in the Option No. 1 and Option No. 2 features.

1.5 OPTION No. 1 AND OPTION No. 2 LUMP SUM PAYMENT ITEMS

Payment items for the work of this contract for which contract lump sum payments will be made are listed in the BIDDING SCHEDULE and described below. All costs for items of work, which are not specifically mentioned to be included in a particular lump sum or unit price payment item, shall be included in the listed lump sum item most closely associated with the work involved. The lump sum price and payment made for each item listed shall constitute full compensation for furnishing all plant, labor, materials, and equipment, and performing any associated Contractor quality control, environmental protection, meeting safety requirements, tests and reports, and for performing all work required for which separate payment is not otherwise provided. Option No. 1 includes channel construction work and all appurtenances between Station 45+80.000 to Station 34+06.655, and also includes including installation of tortoise fencing, plant salvaging and top soil salvaging on BLM Lands including at the F-4 Basin and also includes Blue Diamond basin and Flamingo basin re-vegetation work, that may or may not be executed depending on acquisition of right-of-way grants and funding; Option No. 2 includes channel construction work and debris basin embankment work and re-vegetation work and all appurtenances between Station 70+00.000 to Station 54+00.000 that may or may not be executed depending on acquisition of right-of-way grants and funding.

1.6 OPTION No. 1 AND OPTION No. 2 UNIT PRICE PAYMENT ITEMS

Payment items for the work of this contract on which the contract unit price payments will be made are listed in the BIDDING SCHEDULE and described below. The unit price and payment made for each item listed shall constitute full compensation for furnishing all plant, labor, materials, and equipment, and performing any associated Contractor quality control, environmental protection, meeting safety requirements, tests and reports, and for performing all work required for each of the unit price items. Option No. 1 includes channel construction work and all appurtenances between Station 45+80.000 to Station 34+06.655, and also includes including installation of tortoise fencing, plant salvaging and top soil salvaging on BLM Lands including at the F-4 Basin and also includes Blue Diamond basin and Flamingo basin re-vegetation work, that may or may not be executed depending on acquisition of right-of-way grants and funding; Option No. 2 includes channel construction work and debris basin embankment work and re-vegetation work and all appurtenances between Station 70+00.000 to Station 54+00.000 that may or may not be executed depending on acquisition of right-of-way grants and funding.

1.7 TRAFFIC CONTROL, EXCEPT FOR OPTION NO. 1 AND OPTION NO. 2 (Bid Item 0001);

TRAFFIC CONTROL, OPTION NO. 1 (Bid Item 1001);

TRAFFIC CONTROL, OPTION NO. 2 (Bid Item 2001)).

Payment for Traffic Control will be made at the applicable contract price, which payment shall constitute full compensation for traffic control including but not limited to earthwork and grading, construction and removal of temporary roadways; providing safety barriers; providing traffic warning and control signs and lighting; stripping; flag men as required, except where covered under other bid items.

1.8 DIVERSION AND CONTROL OF WATER EXCEPT OPTION NO. 1 AND OPTION NO. 2
(Bid Item 0002);
DIVERSION AND CONTROL OF WATER OPTION NO. 1 (Bid Item 1002);
DIVERSION AND CONTROL OF WATER OPTION NO. 2 (Bid Item 2002).).

Payment for Diversion and Control of Water will be made at the applicable contract price, which payment shall constitute full compensation for maintaining the work area in a dry condition.

1.9 [Enter Appropriate Subpart Title Here]1.9 CLEAR SITE AND REMOVE OBSTRUCTIONS, EXCEPT FOR BID ITEM 0054 AND OPTION NO. 1 AND OPTION No. 2 (Bid Item 0003);
CLEAR SITE AND REMOVE OBSTRUCTIONS OPTION NO. 1 (Bid Item 1003);
CLEAR SITE AND REMOVE OBSTRUCTIONS OPTION NO. 2 (Bid Item 2003);
CLEAR SITE AND REMOVE OBSTRUCTIONS OPTION NO. 2 DRAWING SHEET DT29 (Bid Item 2056).

Payment for Clear Site and Remove Obstructions shall include all costs for clearing, removal, disposal, replacement, and restoration work (except work by others) including all existing obstructions within the construction work area, except for clearing, removal, disposal, replacement and restoration work specifically specified in other bid items throughout this project. Except as otherwise specified, or except as otherwise indicated in other bid items, payment for clearing and removal work includes applicable earthwork; filling holes; removal of abandoned utility lines; removal of existing surface trash and debris, including trees and vegetation and debris piles (consisting of construction debris and/or dumped soils, dumped gravels, dumped rocks and dumped boulders), including vehicle debris (vehicle bodies and/or vehicle parts) and appliance debris (whole and/or parts), and grubbing from within the Channel right-of-way and temporary construction easement; including removal of existing riprap rock as shown on the drawings, removal of any existing filter fabric and or geotextile fabric under riprap, removal of existing cutoff walls, headwalls, and wingwalls **and removal of temporary concrete bulkheads at ends of RCB's and open channel installed by base bid items in accordance with drawing sheets S3,** and removal of existing chainlink fence, as shown on the drawings, including DT sheets; removal of existing concrete pavement and concrete curb and gutter and plant mix bituminous surface (pbs) as shown on the drawings; including removal and disposal of existing plant mix bituminous surface (PBS) walkways and subgrade material installed by Clark County School District not shown on the drawings but within the Right Of Way and TCE, however after installation of temporary PBS walkway and subgrade material in area designated on DT drawing sheets; including removal and disposal of existing storm drain bubbler and related storm drain piping located at the north west corner of the intersection of Maule and Fort Apache Road; including surface scraping and surface clearing of the existing developer housing pad fill slopes and existing wash surfaces of trash and large and small boulders and caliche from Station 64+60.000 to Station 58+60.000 within the Right Of Way line, however stones, boulders and chunks of caliche embedded within the slopes shall be left in place unless disturbed or knocked loose from the existing fill slopes; including removal and disposal of existing caliche chunks approximately between Station 62+50.000 to Station 60+50.000; including sawcutting and removal of necessary portion of the existing precast and/or cast in place concrete

drainage structures to allow for placement of new channel and side drain structure; removal, protection, replacement or restoration of existing structures and features indicated and disposal of all materials, including maintaining dust control, other than pigmented dust palliative/soil stabilizer, until follow on features of this Contract are accomplished. Payment for Clear Site and Remove Obstructions, will be made at the applicable contract price, which payment shall constitute full compensation for clearing, obstruction removal, and protection work, complete.

1.9.1 CLEAR SITE AND REMOVE OBSTRUCTIONS, POST AND FORT APACHE (Bid Item 0054)

Payment for Clear Site and Remove Obstructions, Post and Fort Apache, shall include all costs for clearing, removal, disposal, replacement, and restoration work (except work by others) including all existing obstructions within the construction work area of F-4 Channel from Station 32+80.000 to Station 29+59.000 and of F-3 Channel from Station 13+75.000 to Station 10+00.000, including the 5th Cell channel structure, except for clearing, removal, disposal, replacement and restoration work specifically specified in other bid items throughout this project. Except as otherwise specified, or except as otherwise indicated in other bid items, payment for clearing and removal work includes applicable earthwork; filling holes; removal of abandoned utility lines; removal of existing surface trash and debris, including trees and vegetation and debris piles (consisting of construction debris and/or dumped soils, dumped gravels, dumped rocks and dumped boulders), including vehicle debris (vehicle bodies and/or vehicle parts) and appliance debris (whole and/or parts), and grubbing from within the Channel right-of-way and temporary construction easement; including removal of existing riprap rock as shown on the drawings, removal of existing filter fabric and or geotextile fabric under riprap, removal of existing cutoff walls, headwalls, and wingwalls as shown on the drawings, including DT sheets; removal of existing concrete pavement and concrete curb and gutter and plant mix bituminous surface (pbs) as shown on the drawings, including sawcutting and removal of necessary portion of the existing precast and/or cast in place concrete drainage structures to allow for placement of new channel and side drain structure; including removal and disposal of existing culvert shown on sheet DT1 and removal and disposal of existing riprap upstream and downstream of this culvert; including removal and disposal of existing large chunks of caliche material and chunks of concrete at the north side of the Post Road embankment east of Fort Apache Road within the Right Of Way, TCE and Grading Easements; including removal and disposal of existing manhole at location north of intersection of Fort Apache Road and Post Road and removal and disposal of existing surrounding concrete barrier rail and removal and disposal of existing 48" RCP within ROW/TCE; including removal and disposal of existing drop inlet structure (either type DM or type CM) and removal and disposal of related existing 48" RCP within ROW and TCE and removal and disposal of related existing PVC pipe within ROW/TCE all of which are located immediately north east of intersection of Fort Apache Road and Post Road; including removal and disposal of existing riprap located at the north east corner of the Fort Apache Road and Post Road alignment intersection; including removal and disposal of existing riprap and dirt piles located in F-3 Channel alignment downstream of Post Road RCB; including removal and disposal of riprap along Post Road embankment north face both east and west

of Fort Apache Road; removal of existing concrete pavement and concrete curb and gutter and plant mix bituminous surface (pbs) as shown on the drawings, including sawcutting and removal of necessary portion of the existing precast and/or cast in place concrete drainage structures to allow for placement of new channel and side drain structure; removal, protection, replacement or restoration of existing structures and features indicated and disposal of all materials, including maintaining dust control, other than pigmented dust palliative/soil stabilizer, until follow on features of this Contract are accomplished. Payment for Clear Site and Remove Obstructions, will be made at the applicable contract price, which payment shall constitute full compensation for clearing, obstruction removal, and protection work, complete.

1.10 STRIP AND STOCKPILE TOPSOIL, F-4 DEBRIS BASIN RIGHT OF WAY, F-4 CHANNEL RIGHT OF WAY, BLM LAND (Bid Item 1033).

1.10.1 Measurement

A survey of the site shall be made by the Contractor prior to commencement of work, and all measurements will be based on this survey without regard to any changes in the site that may be made between the excavation lines and grades indicated on the drawings or staked in the field and the ground surfaces as indicated by the above mentioned survey. Measurement shall be based on the difference between surveyed original grade and the grade and slope of the theoretical cross sections indicated on the drawings. The actual slopes as excavated may be greater or less than those indicated or staked, depending on the materials excavated and methods used in performing the work, but such alterations shall not change the measurement for payment from the original lines as specified herein. Quantities will be computed in cubic meters by the average end area method and the planimeter will be considered a precise instrument for measurement of plotted cross sections. The Contractor has the option of using computer methods for quantity estimations, but all computer methods of quantity estimations shall be approved by the Contracting Officer. The areas on BLM lands that are adequate for topsoil salvaging are those areas of the F-4 Debris Basin Right of Way and F-4 Channel Right of Way on BLM land. For BLM owned land, stripping topsoil outside of project Right of Way lines shown on the drawings will not be allowed. Topsoil obtained from non-BLM land shall be considered as being for the convenience of the Contractor, however such topsoil must meet specifications, if utilized.

1.10.2 Payment

Payment for strip and stockpile topsoil will be made at the applicable contract price per cubic meter for the basin site, which payment shall constitute full compensation for stripping and stockpiling specified surface soils, including clearing of grasses and weeds, debris and roots, after plant salvaging operations, as indicated in the specifications.

1.11 EXCAVATION

1.11.1 [Enter Appropriate Subpart Title Here] 1.11.1 EXCAVATION CHANNEL, BLM LANDS AND/OR MATERIALS, EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0004);

EXCAVATION CHANNEL, NON-BLM LAND, EXCEPT OPTION NO. 1 AND OPTION NO. 2 (Bid Item 0005);

EXCAVATION CHANNEL, NON-BLM LAND, OPTION NO. 1 (Bid Item 1004);

EXCAVATION CHANNEL, NON-BLM LAND, OPTION NO. 2 (Bid Item 2004);

EXCAVATION CHANNEL, BLM LANDS, OPTION NO. 1 (Bid Item 1005);

EXCAVATION CHANNEL, BLM LANDS, OPTION NO. 2 (Bid Item 2005);

EXCAVATION F-4 DEBRIS BASIN, BLM LAND (Bid Item 2006).

1.11.1.1 Measurement

A survey of the site shall be made by the Contractor prior to commencement of work, and all measurements will be based on this survey without regard to any changes in the site that may be made between the excavation lines and grades indicated on the drawings or staked in the field and the ground surfaces as indicated by the above mentioned survey. Measurement shall be based on the difference between surveyed original grade and the grade and slope of the theoretical cross sections indicated on the drawings. The actual slopes as excavated may be greater or less than those indicated or staked, depending on the materials excavated and methods used in performing the work, but such alterations shall not change the measurement for payment from the original lines as specified herein. The quantity of directed excavation necessary for the removal of unsatisfactory foundation material as specified shall be included in the measurement of the excavation where the unsatisfactory soils are encountered. Quantities will be computed in cubic meters by the average end area method and the planimeter will be considered a precise instrument for measurement of plotted cross sections. The Contractor has the option of using computer methods for quantity estimations, but all computer methods of quantity estimations shall be approved by the Contracting Officer. All excavation outside of excavation lines shown on the drawings will be considered as being for convenience of the Contractor.

1.11.1.2 Payment

Payment for excavation will be made at the applicable contract price, which payment shall constitute full compensation for excavation for the inlet structure embankment and spillway/transition structure foundations, inspection trenches, inlet structure invert, channels, roads and other areas as indicated on the drawings including shoring, blasting, rock excavation, and cemented alluvium excavation; shaping and trimming of areas to receive concrete or embankment material, soil cement, loading, stockpiling, crushing, processing, hauling, and dumping suitable materials for fills for the inlet structure embankments, channels, inlet structure spillway/ transition, and backfill for structures and pipes; and loading, stockpiling, hauling, placing and grading excavated materials in the graded basin areas. Payment will not be included for excavation (including shoring) outside the excavation limits indicated on the drawings or staked in the field, and other earthwork requirements for which separate payments are provided. Excess BLM material that cannot be placed as miscellaneous fill on the downstream areas of the F-4 Debris Basin Embankment in accordance with the drawings shall be placed and graded in the BLM Long Term Disposal site as shown on sheet C44.

1.11.1.3 Excavation, F-4 Debris Basin

Payment for excavation, F-4 Debris Basin, will be made at the applicable contract unit price per cubic meter, which payment shall constitute full compensation for excavation as indicated on the drawings including foundation preparation for any overexcavation for the F-4 Debris Basin embankment. Payment for excavation, F-4 Debris Basin, shall not include the quantity included in clearing and grubbing and in strip and stockpile topsoil and other earthwork requirements for which separate payments are provided. The handling of BLM Land materials shall be in accordance with specification.

1.11.1.4 Excavation, Channel

Payment for excavation, channel will include excavations for spillway/transition and spillway/transition cutoff walls, and will be made at the applicable contract unit price per cubic meter, which payment shall constitute full compensation for excavation and haul and disposal of excess material. The handling of BLM Land materials shall be in accordance with specification.

1.11.1.5 Subgrade or Foundation Preparation

No separate payment will be made for subgrade or foundation preparation, including required shaping and cleaning of bedrock abutments and placement of mortar or concrete as necessary, and all costs in connection therewith shall be included in the contract prices for excavation or the items to which the work applies.

1.11.1.6 Unsatisfactory Soils

Unless specified in a separate bid item, no separate payment will be made for the excavation, hauling, and disposal of unsatisfactory soils. When such excavation is directed, payment therefore will be included in the applicable contract price for the items of work under which the unsuitable soils are encountered. When there is no applicable contract item an adjustment will be made.

1.11.1.7 Excavation for Structures

No separate payment will be made for excavation for structures such as manholes, outlet structures, stilling wells, and headwalls. All costs therefore shall be included in the applicable contract item to which the work applies.

1.11.1.8 Trenches

No separate payment will be made for the excavation and disposal of pipe trenches. All costs therefore shall be included in the applicable contract prices for the items to which the work applies.

1.11.1.9 Shoring

Except where otherwise directed within the specific shoring bid item, no other separate payment will be made for shoring. The Contractor shall be

responsible for the method of construction and the use of shoring, stable slope cuts, or other trench safety requirements.

1.11.1.10 Excavation for Utilities

No separate payment will be made for excavation for utilities. All costs therefore shall be included in the applicable contract item to which the work applies.

1.11.2 FLAMINGO DETENTION BASIN REMOVE AND DISPOSE OF DEBRIS LADEN SOILS AS SCRAP (Bid Item 0006)

1.11.2.1 Measurement

A survey of the site shall be made prior to commencement of work, and intermediate surveys shall be made during the work, and a final measurement will be made upon accomplishing either the complete excavation of the debris laden soils or the volume quantity of this feature, and all measurements will be based on these surveys without regard to any changes in the site that may be made between the debris laden soil lines and grades staked or surveyed in the field and the ground surfaces and grades as indicated by the topography on the drawings. Measurement shall be based on the difference between surveyed and or staked debris laden soil and the original grade that is defined as non-debris laden soil. Measurement of the remove and dispose of debris laden soils as scrap will be by the cubic meter for the volume removed from the site as shown on the drawings and described herein. Contractor shall not exceed the debris laden soil quantity indicated on the Bid Item Sheets, Section 00010 or Document 00010 unless with approval from the Contracting Officer. Should the Contractor choose to exceed the debris laden soil quantity indicated, it will be at no additional cost to the Government.

1.11.2.2 Payment

Payment for Flamingo Detention Basin remove and dispose of debris laden soils as scrap will be made at the applicable contract price per cubic meter, which payment shall constitute full compensation for removal, loading, hauling, dump fees, and disposal off-site as scrap of all surface dumping including, but not limited to, dumped soils, dumped scalped soils (fines removed), dumped plastic items, dumped tires, dumped caliche (cemented materials), dumped large stones (approximately 1.5 meters (5 feet) in size), dumped wood items, dumped reinforced concrete pipe, dumped large pieces of broken reinforced concrete and unreinforced concrete, dumped masonry block (broken and assembled multiple units), dumped debris piles, dumped trash, dumped furniture, dumped car and car parts, dumped metal parts, dumped organics (tree, grass and other trimmings and organics) and other dumped typical construction debris, as necessary for the Contractor's operations within the limits of the designated Right-Of-Way and temporary construction easement (TCE). This work shall not include any excavation of the Flamingo Detention Basin Embankment but only the soil that is debris laden in locations as indicated in the drawings, nor shall this work include the removal of the existing riprap protection on the Flamingo Detention Basin Embankment. Contractor shall, at no additional

cost to the Government, repair any construction related disturbances to the Flamingo Detention Basin Embankment and riprap protection, in accordance with Contractor submitted and approved procedures. This work shall also include the protection in place, or restoration, of existing facilities that are to remain in place. Contractor shall not exceed the debris laden soil quantity indicated on the Bid Item Sheets, Section 00010 or Document 00010 unless with approval from the Contracting Officer.

1.12 FILLS

1.12.1 Measurement.

Measurement for fills will be made between the excavation and structure lines and the fill limit lines, or between the ground lines and fill lines, as indicated or staked in the field. Quantities will be computed in cubic meters by the average end area method and the planimeter will be considered a precise instrument for measuring plotted cross sections. The Contractor has the option of using computer methods of quantity estimation, but all computer methods of quantity estimation shall be approved by the Contracting Officer.

1.12.2 Payment.

1.12.2.1 COMPACTED FILL, CHANNEL, NON-BLM LAND, EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0007).

Payment for Compacted Fill, Channel, non-BLM Land, except for option no. 1 and option no. 2, will be made at the applicable contract price, which payment shall constitute full compensation for shaping, grading, filling behind the channel walls including access ramps, over covered channels, and other areas shown on the drawings, and compacting the fill, complete. Payment will not be included for fills outside the fill limits indicated on the drawings or staked in the field, and other fill requirements for which separate payments are provided.

1.12.2.2 COMPACTED FILL, CHANNEL, NON-BLM LAND, OPTION NO. 1 (Bid Item 1007)..

Payment for Compacted Fill, Channel, non-BLM Land, option no. 1, will be made at the applicable contract price, which payment shall constitute full compensation for shaping, grading, filling behind the channel walls including access ramps, over covered channels, and other areas shown on the drawings, and compacting the fill, complete. Payment will not be included for fills outside the fill limits indicated on the drawings or staked in the field, and other fill requirements for which separate payments are provided.

1.12.2.3 COMPACTED FILL, CHANNEL, BLM LANDS OPTION NO. 1 (Bid Item 1008)..

Payment for Compacted Fill, Channel, BLM Lands option no. 1 will be made at the applicable contract price, which payment shall constitute full compensation for shaping, grading, filling behind the channel walls including access ramps, over covered channels, and other areas shown on the

drawings, and compacting the fill, complete, including processing of certification form for material import onto BLM Lands as necessary. Payment will not be included for fills outside the fill limits indicated on the drawings or staked in the field, and other fill requirements for which separate payments are provided.

1.12.2.4 COMPACTED FILL, CHANNEL, BLM LAND, OPTION NO. 2 (Bid Item 2007).

Payment for Compacted Fill, Channel, BLM Lands south of Sta. 64+22.874 will be made at the applicable contract price, which payment shall constitute full compensation for shaping, grading, filling behind the channel walls including access ramps, over covered channels, and other areas shown on the drawings, and compacting the fill, complete, including processing of certification form for material import onto BLM Lands as necessary. Payment will not be included for fills outside the fill limits indicated on the drawings or staked in the field, and other fill requirements for which separate payments are provided.

1.12.2.5 COMPACTED FILL, CHANNEL, NON-BLM LAND, OPTION NO. 2 (Bid Item 2059)..

Payment for Compacted Fill, Channel, non-BLM Land, option no. 2, will be made at the applicable contract price, which payment shall constitute full compensation for shaping, grading, filling behind the channel walls including access ramps, over covered channels, and other areas shown on the drawings, and compacting the fill, complete. Payment will not be included for fills outside the fill limits indicated on the drawings or staked in the field, and other fill requirements for which separate payments are provided.

1.12.2.6 COMPACTED FILL, F-4 DEBRIS BASIN EMBANKMENT AND INVERT, BLM LAND (Bid Item 2008).

Payment for Compacted Fill, F-4 Debris Basin Embankment and Invert, BLM Land, will be made at the applicable contract unit price per cubic meter, which payment shall constitute full compensation for placing, shaping, grading, foundation preparation backfill, and compacting the fill, including settlement monuments and related work, complete. Payment will not be included for fills outside the fill limits indicated on the drawings or staked in the field, and other fill requirements for which separate payments are provided.

1.12.2.7 COMPACTED FILL, GRADING EASEMENTS (GE), F-4 CHANNEL AND F-3 CHANNEL AND 5TH CELL STRUCTURE AREA, NON-BLM MATERIALS (Bid Item 0008); COMPACTED FILL, GRADING EASEMENTS (GE), F-4 CHANNEL OPTION NO. 2 AREA, NON-BLM MATERIALS (Bid Item 2040)).

Payment for Compacted Fill, Grading Easements (GE), F-4 Channel and F-3 Channel and 5th Cell Structure Area, non-BLM materials, will be made at the applicable contract unit price per cubic meter, which payment shall constitute full compensation for placing, shaping, and grading the fill, complete, in the areas designated as Grading Easements (GE) shown on sheet C21 and T11 and T12. These areas shall not receive any BLM materials.

1.12.2.8 MISCELLANEOUS FILL, F-4 DEBRIS BASIN EMBANKMENT AND INVERT, BLM LAND (Bid Item 2009).

Payment for Miscellaneous Fill, F-4 Debris Basin Embankment and Invert, BLM Land, will be made at the applicable contract unit price per cubic meter, which payment shall constitute full compensation for placing, shaping, and grading the fill, complete. Payment will not be included for fills outside the fill limits indicated on the drawings or staked in the field, and other fill requirements for which separate payments are provided.

1.12.2.9 BASIN DIVERSION LEVEE, BLM LAND (Bid Item 2057).

Payment for Basin Diversion Levee, BLM Land, will be made at the applicable contract unit price per cubic meter, which payment shall constitute full compensation for placing, shaping, and grading the stone and or caliche levee fill material obtained from the basin construction, complete, as shown on sheet DB02 and sheet DB14. Payment will not be included for fills outside the fill limits indicated on the drawings or staked in the field, and other fill requirements for which separate payments are provided.

1.12.2.10 F-4 BASIN 0.150 STONE / CALICHE (Bid Item 2058).

Payment for F-4 Basin 0.150 Stone / Caliche will be made at the applicable contract unit price per cubic meter, which payment shall constitute full compensation for placing, shaping, and grading the stone / caliche for the F-4 embankment downstream protection material obtained from the basin construction, complete, as shown on sheets DB01 through DB18. Payment will not be included for fills outside the fill limits indicated on the drawings or staked in the field, and other fill requirements for which separate payments are provided.

1.12.2.11 Fill or Backfill Around Structures.

No separate payment will be made for fill or backfill around structures. All such costs shall be included in the applicable contract prices for structure items to which the work applies.

1.12.2.12 Trenches.

No separate payment will be made for backfilling for utilities, side drains and confluences. All costs in connection therewith shall be included in the contract prices for items to which the work applies.

1.12.2.13 Subgrade Preparation.

No separate payment will be made for subgrade preparation and all costs in connection therewith shall be included in the contract prices for items to which the work applies.

1.13 PLANT NURSERY AREA, TEMPORARY (Bid Item 1026).

Payment for Plant Nursery Area, Temporary will be made at the applicable contract price, which payment shall constitute full compensation for the provision of a temporary plant nursery area. Location of temporary plant

nursery area shall be determined by Contractor but must be within contractual awarded project Right-of-Way areas. The size of this temporary plant nursery area shall determined by Contractor to support all temporary plant nursery activities, including all related vehicle movement and access. The Contractor, at his own cost, must fence off the temporary nursery plant area with a chain link 9 gage 1.829 m high fence with barbed wire and access gate that will safely store the salvaged desert plants, including site preparation, installation of temporary fence, fence posts, excavation for fence posts, concrete for fence posts, fabric, gate and barbed wire, and removal of temporary plant nursery area including all fence, posts, concrete, gates, barbed wire and debris, prior to conclusion of construction but after replanting of salvaged desert plants.

1.14 CONCRETE.

1.14.1 Measurement.

Measurement of concrete will be made on the basis of the actual volume, in cubic meters, of concrete within the pay lines of the concrete invert slab, walls, top slab, and slope protection as shown on the drawings. Measurement of concrete placed against the sides of any excavation without the use of intervening forms will be made only within the pay lines of the structures. No deductions will be made for rounded or beveled edges or space occupied by metalwork, nor voids or embedded items which are either less than 0.15 cubic meter in volume or one-tenth of square meter in cross section. Concrete placed in items of work other than those specifically mentioned above, and concrete wasted or used for the convenience of the Contractor will not be included in measurement for payment.

1.14.2 PAYMENT FOR CONCRETE ITEMS.

Payment for the concrete items will be made at the applicable contract prices for the various items of the schedule, which payments shall constitute full compensation for labor, materials (except reinforcing steel for which separate payment is provided), joint sealant, forming including forming for wall variations at overflow structure locations, furnishing concrete, placing concrete, finishing concrete, curing concrete, and for all equipment and tools to complete the concrete work. Embedded items shall be included in the cost of the concrete except when other payment is specifically provided. No payment will be made for concrete, as such, which is placed in structures for which payment is made on a lump sum basis.

1.14.2.1 CONCRETE, OPEN CHANNEL INVERT SLAB EXCEPT FOR OPTION No. 2 (Bid Item 0009).

Payment for concrete, open channel invert slab except for option No. 2 will include concrete placed in all open channel invert slab, except for concrete inverts in structures for which payment is made on a lump sum basis, and payment will be made at the applicable contract unit price per cubic meter, which payment shall constitute full compensation for all concrete (including all necessary items described in Paragraph "PAYMENT FOR CONCRETE ITEMS" above) placed for the invert slab of the open channel, keys, starter walls, and cut-off walls, complete.

1.14.2.2 CONCRETE, OPEN CHANNEL INVERT SLAB OPTION NO. 2 (Bid Item 2010)..

Payment for concrete, open channel invert slab option no. 2 will include concrete placed in all open channel invert slab and for the inlet structure spillway invert slab, except for concrete inverts in structures for which payment is made on a lump sum basis, and payment will be made at the applicable contract unit price per cubic meter, which payment shall constitute full compensation for all concrete (including all necessary items described in Paragraph "PAYMENT FOR CONCRETE ITEMS" above) placed for the invert slab of the open channel and inlet structure spillway, keys, starter walls, and cut-off walls, complete.

1.14.2.3 CONCRETE, OPEN CHANNEL WALLS EXCEPT FOR OPTION No. 2 (Bid Item 0010).

Payment for concrete, open channel walls except for option no. 2 will include concrete placed in all open channel walls, except for concrete walls in structures for which payment is made on a lump sum basis, and payment will be made at the applicable contract price, which payment shall constitute full compensation for all concrete (including all necessary items described in Paragraph "PAYMENT FOR CONCRETE ITEMS" above) placed above the starter walls in the vertical walls of the open channel, complete.

1.14.2.4 CONCRETE, OPEN CHANNEL WALLS OPTION NO. 2 (Bid Item 2011).

Payment for concrete, open channel walls option no. 2 will include concrete placed in all open channel walls and for the inlet structure spillway walls, except for concrete walls in structures for which payment is made on a lump sum basis, and payment will be made at the applicable contract price, which payment shall constitute full compensation for all concrete (including all necessary items described in Paragraph "PAYMENT FOR CONCRETE ITEMS" above) placed above the starter walls in the vertical walls of the open channel, complete.

1.14.2.5 Concrete, Cut-off Wall.

No separate payment will be made for concrete, cut-off walls and all costs in connection therewith shall be included in the contract prices for items to which the work applies.

1.14.2.6 CONCRETE OVERFLOW STRUCTURE (Bid Item 0041)

Payment for Concrete Overflow Structure will be made at the applicable contract price, which payment shall constitute full compensation for all concrete (including all necessary items described in Paragraph "PAYMENT FOR CONCRETE ITEMS" above) placed for the concrete overflow structure, including furnishing and placing reinforcing steel, complete except earthwork. The Concrete Overflow Structure centerline is located at F-4 Channel Station 23+33.380 Right looking upstream.

1.15 REINFORCING STEEL EXCEPT OPTION No. 2 (Bid Item 0011);
REINFORCING STEEL OPTION NO. 2 (Bid Item 2012)..

1.15.1 Measurement.

Measurement of reinforcing steel in metric tonnes (1,000 kilograms) is limited to reinforcement in concrete structures paid for on a cubic meters basis. Measurement will be made of the lengths of bars actually placed in the completed work in accordance with the plans and specifications, approved bar schedules, or as directed. The measured lengths will be converted to weights for the bar numbers listed by the unit weights per linear foot contained in ASTM A 615. Steel in laps indicated on the drawings, in the specifications, or required by the Contracting Officer will be included in measurement for payment. No measurement will be made for the additional steel in laps which are authorized for the convenience of the Contractor. No measurement will be made of steel supports or spacers. All costs for furnishing and installing supports and spacers shall be included in the various structures requiring the reinforcement.

1.15.2 Payment.

Payment for Reinforcing Steel will be made at the applicable contract price, which payment shall constitute full compensation for furnishing and installing steel reinforcement, complete. No payment will be made for steel reinforcement which is placed in structures for which payment is made on a lump sum basis.

1.16 AGGREGATE BASE COURSE EXCEPT FOR BID ITEM NO. 1020 AND OPTION NO. 2 (Bid Item 0012);
FLAMINGO DETENTION BASIN AGGREGATE BASE COURSE SERVICE ROAD (Bid Item 1020);
AGGREGATE BASE COURSE OPTION NO. 2 (Bid Item 2013)).

1.16.1 Measurement.

Measurement of aggregate base course or type II course will be by the metric tonne (1,000 kilograms) of aggregate base course placed within the lines and grades indicated on the drawings.

1.16.2 Payment.

Payment for Aggregate Base Course or Type II Course will be made at the applicable contract price which payment shall constitute full compensation for furnishing and placing the aggregate base course or type II course, complete, including subgrade preparation, including compaction of aggregate base course or type II course.

1.17 ASPHALT CONCRETE PAVEMENT EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0013);
ASPHALT CONCRETE PAVEMENT OPTION NO. 2 (Bid Item 2014)..

1.17.1 Measurement.

Measurement for asphalt concrete pavement will be by the metric tonne (1,000 kilograms) of asphalt concrete pavement placed within the lines and grades as indicated on the drawing.

1.17.2 Payment.

Payment for Asphalt Concrete Pavement will be made at the applicable contract price which payment shall constitute full compensation for asphalt concrete pavement in place, complete including tack coat, prime coat and appurtenant work except for aggregate base course. No payment will be made for excessive thickness.

- 1.18 WEEPHOLE SYSTEM EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0014);
WEEPHOLE SYSTEM OPTION NO. 2 (Bid Item 2015)..

Payment for the Weephole System will be made at the applicable contract price, which payment shall constitute full compensation for materials, and installation of the weephole system, complete including applicable earthwork, drain aggregate, geotextile, form openings and appurtenances, complete.

- 1.19 TRANSITION WALL STRUCTURE # 1 (F-4 CHANNEL UPSTREAM AT BELTWAY) (Bid Item 0015).

Payment for the Transition Wall Structure # 1 (Upstream F-4 Channel at Beltway) will be made at the applicable contract price, which payment shall constitute full compensation for the structure consisting of the F-4 Channel from Sta. 23+16.760 to Sta. 23+07.420, including details of Section F shown on drawing "S5", complete, except earthwork and except weepholes; including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; including furnishing and installing dowels and epoxy and concrete drilling for dowels; and all incidentals, complete as shown on the drawings except for post and cable railing and chain link fencing.

- 1.20 CONFLUENCE STRUCTURE # 1 (F-4 CHANNEL AND PATRICK LATERAL) (Bid Item 0016).

Payment for Confluence Structure # 1 (F-4 Channel and Patrick Lateral) will be made at the applicable contract price, which payment shall constitute full compensation for the structure consisting of the F-4 Channel from Sta. 24+08.037 to Sta. 23+16.760, and a portion of Patrick Lateral from **Sta. 10+34.657** to Sta. 10+00.000, including confluence section shown on drawing "S4", including invert transition section shown on drawing "S4", including structure section B shown on drawing "S4" complete, except earthwork and except **weepholes**; including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; protect in place existing utilities; and all incidentals, complete as shown on the drawings except for post and cable railing and chain link fencing.

- 1.21 TRANSITION WALL STRUCTURE # 2 (F-4 CHANNEL DOWNSTREAM PATRICK) (Bid Item 0017).

Payment for the Transition Wall Structure # 2 (F-4 Channel and Patrick Lateral Downstream Patrick) will be made at the applicable contract price, which payment shall constitute full compensation for the structure consisting of the F-4 Channel from Sta. 24+26.580 to Sta. 24+08.037, including details of Section B shown on drawing "S4", complete, except

earthwork and except weepholes; including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; and all incidentals, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.22 TRANSITION WALL STRUCTURE # 2A (PATRICK LATERAL DOWNSTREAM PATRICK) (Bid Item 0018)..

Payment for the Transition Wall Structure # 2A (Patrick Lateral Downstream Patrick) will be made at the applicable contract price, which payment shall constitute full compensation for the structure consisting of the portion of Patrick Lateral from Sta. 10+52.537 to **Sta. 10+34.657**, including details of Section B shown on drawing "S4", complete, except earthwork and except weepholes; including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; and all incidentals, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.23 RCB # 1 (PATRICK LATERAL) (Bid Item 0019).

Payment for RCB # 1 (Patrick Lateral) will be made at the applicable contract price, which payment shall constitute full compensation for the RCB # 1 Structure from Sta. 11+64.900 to Sta. 10+52.537, including details of Section F Single Box Conduit shown on drawing "S3", complete, except earthwork, complete, including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete, including installing bulkhead shown on the drawings **S3 and C20**, and all incidentals, including headwalls; except temporary Patrick Lane traffic detour and except installing new traffic barriers and maintaining existing traffic barriers on North side and South Side of channel at Patrick Lane, and except extra traffic control devices that will be left in place after Contractor leaves site on North side and South side of channel at Patrick Lane, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.24 RCB # 2 (F-4 CHANNEL AT PATRICK) (Bid Item 0020).

Payment for RCB # 2 (F-4 Channel at Patrick) will be made at the applicable contract price, which payment shall constitute full compensation for the RCB # 2 Structure from Sta. 25+05.342 to Sta. 24+26.580, including details of Section C Single Box Conduit shown on drawing "S3", **complete, except** earthwork, complete, including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete, and all incidentals, including headwalls and/or extended headwalls; except temporary Patrick Lane traffic detour and except installing new traffic barriers and maintaining existing traffic barriers on North side and South Side of channel at Patrick Lane, and except extra traffic control devices that will be left in place after Contractor leaves site on North side and South side of channel at Patrick Lane, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.25 TRANSITION WALL STRUCTURE # 3 (F-4 CHANNEL UPSTREAM PATRICK) (Bid Item 0021)..

Payment for the Transition Wall Structure # 2 (F-4 Channel Upstream Patrick) will be made at the applicable contract price, which payment shall constitute full compensation for the structure consisting of the F-4 Channel from Sta. 25+19.342 to Sta. 25+05.342 including portion of confluence and invert transition details shown on drawing "S6", and including details of applicable u-wall channel concrete and reinforcing schedule shown on drawing "S2", complete, except earthwork and except weepholes; including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; and all incidentals, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.26 CONFLUENCE STRUCTURE # 2 (F-4 CHANNEL AND F-3 CHANNEL AND 5TH CELL)
(Bid Item 0022).

Payment for Confluence Structure # 2 (F-4 Channel and F-3 Channel and 5th Cell) will be made at the applicable contract price, which payment shall constitute full compensation for the RCB structure consisting of the F-4 Channel from Sta. 29+59.185 to Sta. 25+19.342, including confluence plan showing confluence and invert transition details shown on sheet "S6", including confluence section G shown on drawing "S8", including confluence section J shown on drawing "S8", including invert transition section H shown on drawing "S8", including invert transition section K shown on drawing "S8", complete, except earthwork and except **weepholes**; including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; protect in place existing utilities; and all incidentals, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.27 F-4 CHANNEL AND F-3 CHANNEL AND 5TH CELL STRUCTURE (Bid Item 0023).

Payment for F-4 Channel and F-3 Channel and 5th Cell Structure will be made at the applicable contract price, which payment shall constitute full compensation for the structure consisting of the F-4 Channel from Sta. 30+57.051 to Sta. 29+59.185, and F-3 Channel from **Sta. 10+99.726** to Sta. 10+00.000 and 5th Cell from **Sta. 11+01.131** to Sta. 10+00.000, including details shown on drawing sheet "S6", including section B shown on drawing "S6", complete, except earthwork and except **weepholes**; including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; protect in place existing utilities; and all incidentals, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.28 INVERT ACCESS RAMP # 1 (Bid Item 0024).

Payment for Invert Access Ramp # 1, includes the adjacent F-3 open channel from Sta. 11+47.155 to Sta. 11+02.201 and the 5th Cell open channel from Sta. 11+48.487 to Sta. 11+03.533, including details shown on drawing sheet "S11". Payment will be made at the applicable contract price, which payment shall constitute full compensation for the invert access ramp and open channel, except earthwork and except weepholes, complete, including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; including pipe access gate installed at top of access ramp to restrict vehicle access into channel invert and all appurtenances,

including painting of pipe access gate; and all incidentals, including padlocks, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.29 F-3 CHANNEL 4 X RCB, AND 5TH CELL RCB UNDER FORT APACHE STRUCTURE (Bid Item 0025).

Payment for F-3 Channel 4 x RCB, and 5th Cell RCB under Fort Apache structure will be made at the applicable contract price, which payment constitutes full compensation for the structure that includes the F-3 Channel RCB from Sta. 12+06.749 to Sta. 11+47.155 and the 5th Cell RCB from Sta. 12+08.188 to Sta. 11+48.487, including Section D shown on drawing sheet "S7", complete, **except earthwork, complete**, including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; and all incidentals, including extended headwalls; except temporary Fort Apache Road traffic detour and except installing and maintaining temporary traffic barriers and maintaining existing traffic barriers on North side and South Side of channel at Fort Apache Road, and except extra traffic control devices that will be left in place after Contractor leaves site on North side and South side of channel at Fort Apache Road, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.30 TRANSITION WALL STRUCTURE # 4 (F-3 CHANNEL AND 5TH CELL UPSTREAM FORT APACHE) (Bid Item 0026).

Payment for the Transition Wall Structure # 4 (F-3 Channel Upstream Fort Apache) will be made at the applicable contract price, which payment shall constitute full compensation for the structure consisting of the F-3 Channel from **Sta. 13+43.750** to Sta. 12+06.749 including details of Section E and Section F shown on drawing "S7", and including details of Pier Noses on drawing sheets "S9" and "S10", and including 5th Cell Structure from **5th Cell Sta. 13+02.990** to Sta. 12+08.188, and including details of applicable u-wall channel concrete and reinforcing schedule shown on drawing "S2", complete, except earthwork (with exception for leaving **upstream end of** 5th Cell Open) and except weepholes; including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; **including furnishing and placing 5th Cell temporary bulkhead as shown on drawings S6 and S3, including leaving 5th Cell end with ground slope as shown in the drawing sheet C19;** and all incidentals, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.31 F-3 CHANNEL INLET STRUCTURE (Bid Item 0027).

Payment for the F-3 Channel Inlet Structure will be made at the applicable contract price, which payment shall constitute full compensation for the structure consisting of the F-3 Channel from Sta. 13+75.079 to **Sta. 13+43.750** including details of applicable u-wall channel concrete and reinforcing schedule shown on drawing "S2", complete, except earthwork and except weepholes; including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; including furnishing and installing dowels and epoxy and concrete drilling for dowels; and all incidentals, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.32 TRANSITION WALL STRUCTURE # 5 (F-4 CHANNEL DOWNSTREAM FORT APACHE)
(Bid Item 0028).

Payment for the Transition Wall Structure # 5 (F-4 Channel Downstream Fort Apache) will be made at the applicable contract price, which payment shall constitute full compensation for the structure consisting of the F-4 Channel from Sta. 31+00.000 to Sta. 30+57.051 including details of applicable u-wall channel concrete and reinforcing schedule shown on drawing "S2", complete, except earthwork and except weepholes; including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; and all incidentals, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.33 RCB # 3A (F-4 CHANNEL RCB STA. 34+06.655 TO STA. 31+00.000) (Bid Item 0029)..

Payment for RCB # 3A (F-4 Channel RCB Sta. 34+06.655 to Sta. 31+00.000) will be made at the applicable contract price, which payment shall constitute full compensation for the RCB # 3A Structure from Sta. 34+06.655 to Sta. 31+00.000 except earthwork, **and except manholes**, complete, including details of Section D Single Box Conduit shown on drawing "S3", including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete, and all incidentals, **including temporary bulkhead as shown on drawing sheet S3 and as required on sheet C13** including extended headwalls; except temporary Post Road traffic detour and except installing temporary traffic barriers and maintaining existing traffic barriers on East side and West Side of channel at Post Road, and except extra traffic control devices that will be left in place after Contractor leaves site on East side and West side of channel at Post Road, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.34 RCB # 3B (F-4 CHANNEL RCB STA. 45+80.000 TO STA. 34+06.655) (Bid Item 1009)..

Payment for RCB # 3B (F-4 Channel RCB Sta. 45+80.000 to Sta. 34+06.655) will be made at the applicable contract price, which payment shall constitute full compensation for the RCB # 3B Structure from Sta. 45+80.000 to Sta. 34+06.655, except earthwork, **and except manholes**, complete, including details of Section B and Section D Single Box Conduit shown on drawing "S3", including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete, and all incidentals, except temporary Sunset Road and Maule Avenue traffic detour and except installing temporary traffic barriers and maintaining existing traffic barriers on West side and East Side of channel at Sunset Road and Maule Avenue, and except extra traffic control devices that will be left in place after Contractor leaves site on East side and West side of channel at Sunset Road and Maule Avenue, complete as shown on the drawings except for specified shoring, for which there is a separate bid item.

1.35 RCB # 3C (F-4 CHANNEL RCB STA. 52+99.440 TO STA. 45+80.000) (Bid Item 0030)..

Payment for RCB # 3C (F-4 Channel RCB Sta. 52+99.440 to Sta. 45+80.000) will be made at the applicable contract price, which payment shall constitute full compensation for the RCB # 3 Structure from Sta. 52+99.440 to Sta. 45+80.000, except earthwork, **and except manholes**, complete, including details of Section B Single Box Conduit shown on drawing "S3", including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete, and all incidentals, including headwall and/or extended headwalls, **including temporary bulkhead as shown on drawing sheet S3 and as required on sheet C9**; except temporary Warm Springs Road and Maule Avenue traffic detour and except installing temporary traffic barriers and maintaining existing traffic barriers on West side and East Side of channel at Sunset Road and Maule Avenue, and except extra traffic control devices that will be left in place after Contractor leaves site on East side and West side of channel at Sunset Road and Maule Avenue, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.36 TRANSITION WALL STRUCTURE # 6 (F-4 CHANNEL UPSTREAM WARM SPRINGS) (Bid Item 0031).

Payment for the Transition Wall Structure # 6 (F-4 Channel Upstream Warm Springs) will be made at the applicable contract price, which payment shall constitute full compensation for the structure consisting of the F-4 Channel from Sta. 53+13.408 to Sta. 52+99.440 including details of applicable u-wall channel concrete and reinforcing schedule shown on drawing "S2", complete, except earthwork and except weepholes; including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; and all incidentals, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.37 INVERT ACCESS RAMP 2 (Bid Item 0032).

Payment for Invert Access Ramp 2, also includes the adjacent open channel from **Sta. 54+00.000 to Sta. 53+13.408**, including details shown on drawing sheet "S12". Payment will be made at the applicable contract price, which payment shall constitute full compensation for the invert access ramp and open channel, except earthwork and except weepholes, complete, including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete, **and all incidentals, including temporary bulkhead as shown on drawing sheet S3 and as required on sheet C6**; including pipe access gate installed at top of access ramp to restrict vehicle access into channel invert and all appurtenances, including painting of pipe access gate; and all incidentals, including padlocks, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.38 TRANSITION WALL STRUCTURE # 7 (F-4 CHANNEL DOWNSTREAM RCB # 4) (Bid Item 2016).

Payment for the Transition Wall Structure # 7 (F-4 Channel Downstream RCB # 4) will be made at the applicable contract price, which payment shall constitute full compensation for the structure consisting of the F-4 Channel from Sta. 56+14.953 to Sta. 56+01.453, including details of applicable u-wall channel concrete and reinforcing schedule shown on drawing "S2", complete, except earthwork and except weepholes; including

furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; and all incidentals, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.39 RCB # 4 (F-4 CHANNEL AT FORT APACHE) (Bid Item 2017).

Payment for RCB # 4 (F-4 Channel at Fort Apache) will be made at the applicable contract price, which payment shall constitute full compensation for the RCB # 4 Structure from Sta. 57+79.160 to Sta. 57+36.765 and from Sta. 56+58.445 to Sta. 56+14.953, except earthwork, complete, including details of Section B Single Box Conduit shown on drawing "S3", including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete, and all incidentals, including extended headwalls; including furnishing and installing dowels and epoxy and concrete drilling for dowels; except temporary Fort Apache Road traffic detour and except installing temporary traffic barriers and maintaining existing traffic barriers on North side and South Side of channel at Fort Apache Road, and except extra traffic control devices that will be left in place after Contractor leaves site on North side and South side of channel at Fort Apache Road, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.40 TRANSITION WALL STRUCTURE # 8 (F-4 CHANNEL UPSTREAM RCB # 4) (Bid Item 2018)..

Payment for the Transition Wall Structure # 8 (F-4 Channel Upstream RCB # 4) will be made at the applicable contract price, which payment shall constitute full compensation for the structure consisting of the F-4 Channel from Sta. 57+92.414 to Sta. 57+79.160, including details of applicable u-wall channel concrete and reinforcing schedule shown on drawing "S2", complete, except earthwork and except weepholes; including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; and all incidentals, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.41 INVERT ACCESS RAMP # 3 (Bid Item 2019).

Payment for Invert Access Ramp # 3, also includes the adjacent open channel from Sta. 62+98.000 to Sta. 62+34.308, including details shown on drawing sheet "S13". Payment will be made at the applicable contract price, which payment shall constitute full compensation for the invert access ramp and open channel, except earthwork and except weepholes, complete, including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; including pipe access gate installed at top of access ramp to restrict vehicle access into channel invert and all appurtenances, including painting of pipe access gate; and all incidentals, including padlocks, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.42 TRANSITION WALL STRUCTURE # 9 (F-4 CHANNEL DOWNSTREAM RCB # 5) (Bid Item 2020).

Payment for the Transition Wall Structure # 9 (F-4 Channel Downstream RCB # 5) will be made at the applicable contract price, which payment shall

constitute full compensation for the structure consisting of the F-4 Channel from Sta. 64+10.750 to Sta. 63+97.850, including details of applicable u-wall channel concrete and reinforcing schedule shown on drawing "S2", complete, except earthwork and except weepholes; including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; including furnishing and installing dowels and epoxy and concrete drilling for dowels; and all incidentals, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.43 RCB # 5 (F-4 CHANNEL AT FORT APACHE) (Bid Item 2021).

Payment for RCB # 5 (F-4 Channel at Fort Apache) will be made at the applicable contract price, which payment shall constitute full compensation for the RCB # 5 Structure from Sta. 64+72.366 to Sta. 64+58.710 and from Sta. 64+26.407 to Sta. 64+10.750, except earthwork, complete, including details of Section B Single Box Conduit shown on drawing "S3", including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete, and all incidentals, including extended headwalls; except temporary Fort Apache Road traffic detour and except installing temporary traffic barriers and maintaining existing traffic barriers on North side and South Side of channel at Fort Apache Road, and except extra traffic control devices that will be left in place after Contractor leaves site on North side and South side of channel at Fort Apache Road, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.44 TRANSITION WALL STRUCTURE # 10 (F-4 CHANNEL UPSTREAM RCB # 5) (Bid Item 2022).

Payment for the Transition Wall Structure # 10 (F-4 Channel Upstream RCB # 5) will be made at the applicable contract price, which payment shall constitute full compensation for the structure consisting of the F-4 Channel from Sta. 64+83.766 to Sta. 64+72.366 including details of applicable u-wall channel concrete and reinforcing schedule shown on drawing "S2", complete, except earthwork and except weepholes; including furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; and all incidentals, complete as shown on the drawings except for post and cable railing and chain link fencing.

1.45 DEBRIS BASIN EMBANKMENT SOIL CEMENT ARMOR (Bid Item 2023)

1.45.1 Measurement

Measurement of soil cement will be made on the basis of actual cubic meters of soil cement placed within the lines and grades indicated on the drawings and specifications, excluding the quantity placed in the test section.

1.45.2 Payment

Payment for soil cement will be made at the applicable contract price, which payment shall constitute full compensation for the soil cement including all materials (except portland cement and pozzolan for which separate payments are provided), costs for test section, cost to develop all soil cement mix designs, formwork, batching, hauling, placing,

compacting, finishing, curing and all equipment and tools to complete the soil cement in place. Embedded items shall be included in the cost of the soil cement except when other payment is specifically provided.

1.46 PORTLAND CEMENT FOR SOIL CEMENT (Bid Item 2024)

1.46.1 Measurement

Quantity of portland cement for soil cement to be paid for will be the number of metric tonnes (1,000 kilograms) of portland cement used for soil cement unless specifically excepted, wasted or used in the soil cement test section or for all soil cement mix designs or used for the convenience of the Contractor. The quantity to be paid for will be determined by multiplying the approved weight of portland cement in kilograms per cubic meter of soil cement by the number of accepted cubic meters of soil cement placed within the lines and grades indicated on the drawings and dividing by 1,000.

1.46.2 Payment

Payments for portland cement for soil cement will be made at the applicable contract price, which payment shall constitute full compensation for furnishing the portland cement ready for use in the work, complete. No payment will be made for portland cement used for structures for which separate payment is provided.

1.47 POZZOLAN FOR SOIL CEMENT (Bid Item 2025)

1.47.1 Measurement

Quantity of pozzolan for soil cement to be paid for will be the number of metric tonnes (1,000 kilograms) of pozzolan used for soil cement unless specifically excepted, wasted, or used in the soil cement test section or for all soil cement mix designs or used for the convenience of the Contractor. The quantity to be paid for will be determined by multiplying the approved weight of pozzolan in kilograms per cubic meters of soil cement by the number of accepted cubic meters of soil cement placed within the lines and grades indicated on the drawings and dividing by 1,000.

1.47.2 Payment

Payments for pozzolan for soil cement will be made at the applicable contract price, which payment shall constitute full compensation for furnishing the pozzolan, complete. No payment will be made for pozzolan used for structures for which separate payment is provided.

1.48 DEBRIS BASIN LOW FLOW OUTLET RCB (Bid Item 2026)

Payment for Debris Basin Low Flow Outlet RCB (Reinforced Concrete Box) will be made at the applicable contract lump sum price for the size and reach of box specified, which payment shall constitute full compensation for RCB and headwalls including earthwork, complete, including: furnishing and placing reinforcing steel; furnishing and placing, finishing and curing concrete, headwalls and manholes on outlet conduits; furnishing and placing plywood

plugs; and all incidentals, complete as shown on the drawings, except for manholes and ladder systems and outlet conduit side drain connection which have separate bid items. Debris Basin Low Flow Outlet RCB Conduit shall be 0.910 m x 0.910 m from Station 3+15.281 to Station 1+00.000.

1.49 DEBRIS BASIN LOW FLOW OUTLET TOWER (Bid Item 2027)

Payment for the Debris Basin Low Flow Outlet Tower will be made at the applicable contract price, which payment shall constitute full compensation for the outlet tower structure, complete, including excavation and compacted fill; furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete; furnishing and placing galvanized steel grating and frame; furnishing and placing 76 diameter PVC pipe; and all incidentals.

1.50 OUTLET CONDUIT SIDE DRAIN STRUCTURE, STA. 64+95.108 RT (Bid Item 2028).

Payment for the outlet conduit side drain structure, sta. 64+95.108 right, will be made at the applicable contract price, which payment shall constitute full compensation for the side drain structure, complete, as shown on the drawings, except earthwork; furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete for the side drain junction structure and inlet structure; and placing temporary barriers (plugs) as necessary. The earthwork included shall be only that earthwork which is located outside the limits of earthwork for which other payment is provided.

1.51 SIDE DRAINS (Bid Items 0033, 0034, 0035, 0036, 0037, 0038, 0039, 0040, 1010, 1011, 1021, 1022, 1023, 2028, 2029, 2030, 2031, 2060, 2061, 2062, 2063)..

Payment for the various side drains and stub-outs will be made at the applicable contract price, which payment shall constitute full compensation for the side drain and stub-outs, complete, as shown on the drawings, including applicable portions of drawing sheets DT27, DT28, DT29, DT30, and DT31, except earthwork; furnishing and placing reinforcing steel; furnishing, placing, finishing and curing concrete for the side drain junction structures and inlet structure; furnishing and placing all lengths of concrete pipe as shown on the "C" drawings, fittings and end sections and concrete thrust blocks; and placing temporary pipe barriers (plugs) for stub-outs as necessary. The earthwork included shall be only that earthwork which is located outside the limits of earthwork for which other payment is provided and no payment will be made under this item for inlets, grates, concrete, and concrete pipe for which separate payment is provided.

1.52 SLOTTED CHAMBER (Bid Item 2032)

Payment for the slotted chamber will be made at the applicable contract lump sum price for each slotted chamber, which payment shall constitute full compensation for the slotted chamber, complete, including excavation and compacted fill; furnishing and placing reinforcing steel; furnishing, placing, finishing, and curing concrete for walls and slabs; joints, weepholes, pipe connections to each slotted chamber, manhole frame and cover, and all incidentals as shown on the drawings.

1.53 MANHOLES FOR RCB CONDUITS, CULVERTS, AND LATERALS EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0047);

MANHOLES FOR RCB CONDUITS, CULVERTS, AND LATERALS OPTION NO. 1 (Bid Item 1013);

MANHOLES FOR RCB CONDUITS, CULVERTS, AND LATERALS OPTION NO. 2 (Bid Item 2033).33).

Payment for Manholes for Box Conduits, Culverts, and Laterals will be paid for according to the applicable contract lump sum price including, excavation, backfill and appurtenances complete and in place, except for ladder systems. No extra payment will be made for pipe fittings required to make connections to manholes.

1.54 ROAD DETOURS EXCEPT FOR OPTION NO. 1 (Bid Item 0084);

ROAD DETOURS OPTION NO. 1 (Bid Item 1020)..

Payment for Road Detours will be made at the applicable contract lump sum price, and shall be considered full payment for all work shown on the DT drawing sheets, including: remove and salvage various materials including but not limited to signage, chain link fence, riprap; all roadway embankment fill including all earthwork and provision of borrow materials, including costs associated with embankment material for detour road may be borrowed from the project area; construct as necessary drainage ditch along toe of detour road slope to provide positive drainage, protect the slope; type II aggregate base and related work; 63 mm (2-1/2 inch) plantmix bituminous surface (PBS) and related work, with sawcut and match existing at both ends; portable precast concrete barrier rails; ground mounted construction signs (10 signs); type 1 lane line (paint); 150 mm (6-inch) wide white painted edge line; flag men as required; including removal of the detour road and removal of the detour road embankment, including restoration of the area to the grades existing prior to detour road and detour road embankment construction; and removal of all detour road appurtenances, and including restoration of all applicable road sites including PBS, signage, striping, fencing, and flagmen, complete as shown on drawing sheets DT titled with titles including "Detour Road (Phase 1)", "Sunset Road Detour Road (Phase 2)", "Detour Road (Phase 2)", "Road Reconstruction", "Detour Signage & Striping", "Reconstruction Signage & Striping", "Detour Road Removals", complete as shown on drawing sheets D titled with titles including "Detour Road Waterline Relocation", "Detour Signing & Striping", and "Detour Signage & Striping".

1.55 CHAIN LINK FENCE, 1.829 M HIGH, 9 GAGE EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0048);

CHAIN LINK FENCE, 1.829 M HIGH, 9 GAGE OPTION NO. 2. (Bid Item 2034)..

1.55.1 Measurement.

Measurement of chain link fence, 1.829 M High, 9 Gage will be by the linear meters of chain link fence, 1.829 M high, 9 Gage, constructed as shown on the drawings.

1.55.2 Payment.

Payment for Chain Link Fence, 1.829 M High, 9 Gage, will be made at the applicable contract price, which payment shall constitute full compensation for chain link fencing, including posts with caps, rail, chain link fabric, stretcher bars, tension bands, wire ties, truss wire, concrete, grounding, and all incidentals, complete as shown on the drawings.

1.56 POST AND CABLE RAILING EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0049);

POST AND CABLE RAILING OPTION NO. 2 (Bid Item 2035)..

1.56.1 Measurement

Measurement of post and cable railing will be by the linear meter, measured from end to end, of railing installed as shown on the drawings.

1.56.2 Payment

Payment for post and cable railing will be made at the applicable contract unit price per linear meter, which payment shall constitute full compensation for railing, including posts, cable, safety chain gates, anchor plate, bolts, and other galvanized appurtenances, fabrication, grout or dry pack, including painting of posts on non-Rhodes Ranch property and including painting of posts on Rhodes Ranch property to match ornamental fence paint color, and all incidentals, including padlocks, complete.

1.57 DOUBLE SWING GATES EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0050);

DOUBLE SWING GATES OPTION NO. 2 (Bid Item 2036)..

1.57.1 Measurement

Measurement of double swing gates will be the number of double swing gates acceptably installed.

1.57.2 Payment.

Payment for Double Swing Gate will be made at the applicable contract price, which payment shall constitute full compensation for fabricating and installing the double swing gates, complete, including posts with caps, chain link fabric, frame members, tension bands, truss rods, stretcher bars, wire ties, truss wire, sleeves, hinges, grout, concrete, stops and padlocks, and all incidentals, complete, as shown on the drawings.

1.58 [Enter Appropriate Subpart Title Here]1.58 PRE-EMERGENT HERBICIDE AND PIGMENTED DUST PALLIATIVE/SOIL STABILIZER ON NON-REVEGETATED AREAS OF CHANNEL EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0051);

PRE-EMERGENT HERBICIDE AND PIGMENTED DUST PALLIATIVE/SOIL STABILIZER ON NON-REVEGETATED AREAS OF OPTION NO. 1 (Bid Item 1014);

PRE-EMERGENT HERBICIDE AND PIGMENTED DUST PALLIATIVE/SOIL STABILIZER ON NON-REVEGETATED AREAS OF DEBRIS BASIN EMBANKMENT, INVERT, AND CHANNEL OPTION NO. 2 (Bid Item 2037).

1.58.1 Measurement

Measurement of pre-emergent herbicide and pigmented dust palliative/soil stabilizer will be made on the basis of the actual area in hectares of areas treated with pre-emergent herbicide and pigmented dust palliative/soil stabilizer used for disturbed areas that will not be revegetated as indicated or directed.

1.58.2 Payment

Payment for pre-emergent herbicide and pigmented dust palliative/soil stabilizer will be at the applicable contract unit price per hectare, which payment shall constitute full compensation including furnishing materials, processing, and application, complete in place.

1.59 STATION MARKINGS EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0052);
STATION MARKINGS OPTION NO. 1 (Bid Item 1018);
STATION MARKINGS OPTION NO. 2 (Bid Item 2038).).

Payment for Station Markings will be made at the applicable contract lump sum price, which shall be considered full payment for preparation, paint and marking, equipment and labor.

1.60 AS-BUILT DRAWINGS ENTIRE PROJECT (Bid Item 0053).

1.60.1 Measurement

Measurement shall be made on a lump sum basis.

1.60.2 Payment

Payment for As-Built Drawings entire project will be made at the applicable contract price, which payment shall constitute full compensation for furnishing all labor, material, and equipment complete in place for the complete set of as-built drawings, including electronic MicroStation SE or MicroStation J "DGN" file format and PEN FILES/TABLES on Compact Disk, indicating installation of work items not installed according to the contract drawings.

1.61 LADDER SYSTEMS EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0046);
LADDER SYSTEMS OPTION NO. 1 (Bid Item 1015);
LADDER SYSTEMS OPTION NO. 2 (Bid Item 2039).).

Payment for Ladder Systems will be made at the applicable contract lump sum price for installation of all channel access ladders, including access ladders for Manholes for Box Conduits. The contract price for ladder system shall be considered full payment for fabrication, assembly fittings, finishing, paint and marking, installation of ladder steps, and all equipment, labor and fittings.

1.62 DELETED

1.63 PROVIDE PLANT STORAGE IRRIGATION DURING CONSTRUCTION (Bid Item 1027)

Payment for providing plant storage area irrigation during construction will be made at the applicable contract price, which payment shall constitute full compensation for furnishing water, labor and equipment to maintain plants as specified.

1.64 PROVIDE IRRIGATION FOR ONE YEAR AFTER CONSTRUCTION AT F-4 DEBRIS BASIN (Bid Item 2041)

Payment for providing irrigation for one year after construction at F-4 Debris Basin will be made at the applicable contract price, which payment shall constitute full compensation for furnishing water, labor and necessary equipment to maintain plants placed for revegetation as specified.

1.65 ONE YEAR GUARANTEE ON LANDSCAPE WORK AT BLUE DIAMOND BASIN (Bid Item 1054);
ONE YEAR GUARANTEE ON LANDSCAPE WORK AT FLAMINGO BASIN (Bid Item 1055);
ONE YEAR GUARANTEE ON LANDSCAPE WORK AT F-4 DEBRIS BASIN (Bid Item 2042)42)

Payment for providing a one year guarantee on landscape work at respective basins will be made at the applicable contract price, which payment shall constitute full compensation for furnishing personnel to complete landscape work as specified, and providing required reports.

1.66 TORTOISE FENCE, OPTION NO. 1 F-4 CHANNEL (Bid Item 1024);
TORTOISE FENCE, F-4 DEBRIS BASIN (Bid Item 1025))

1.66.1 Measurement

Measurement of tortoise fence that is provided will be by the linear meter of tortoise fence constructed as shown on the drawings.

1.66.2 Payment

Payment for tortoise fence will be made at the applicable contract unit price per linear meter, which payment shall constitute full compensation for tortoise fence, including steel tee posts and all incidentals complete as shown on the drawings, and scheduling and coordination of the work to comply with Section 01200 GENERAL REQUIREMENTS, paragraph ENVIRONMENTAL ASSESSMENT REQUIREMENT. Payment shall also include complete removal of tortoise fence at the completion of this project.

1.67 SALVAGE, STORE, AND MAINTAIN PLANTS (Bid Items 1028 - 1032)

1.67.1 Measurement

Measurement for salvaging, storing, and maintaining plants will be the number of plants of each type specified, actually salvaged, stored and maintained in a healthy condition.

1.67.2 Payment

The accepted quantities of plants measured for salvaging, storing, and maintaining plants, will be paid at the applicable contract unit price per the type of plant, for plants actually salvaged, stored and maintained in a

healthy condition. Such payment shall be full compensation for all the labor, materials, and incidentals necessary to complete the work, except transplanting plants and irrigation water to maintain the plants will be paid separately.

1.68 TRANSPLANT TO F-4 BASIN (Bid Items 2043 - 2047)

1.68.1 Measurement

Measurement for transplanting plant materials will be the number of plants of each type specified, actually planted on the project.

1.68.2 Payment

The accepted quantities of plants measured for transplanting plant materials will be paid at the applicable contract unit price per the type of plant, identified in each bid item and actually planted on the project. Such payment shall be full compensation for all the labor, materials, and incidentals necessary to complete the work, except irrigation water to maintain the plants will be paid separately.

1.69 PLACE TOPSOIL TO FINISH GRADE, F-4 DEBRIS BASIN DOWNSTREAM EMBANKMENT SURFACE (Bid Item 2048)

1.69.1 Measurement

Measurement for placing topsoil to finished grade will be made on the basis of the cubic meters of material placed and graded to a minimum depth of 203 millimeters over surfaces designated for revegetation treatment or as shown on the drawings. Excess material from strip and stockpile for topsoil that is wasted or placed as miscellaneous fill will not be included for measurement under this item.

1.69.2 Payment

Payment for placing topsoil to finished grade will be at the applicable contract price per cubic meter, which payment shall constitute full compensation for materials, equipment, and labor.

1.70 PROVIDE BROWSE PROTECTION, F-4 DEBRIS BASIN (Bid Item 2050)

Payment for providing browse protection will be made at the applicable contract price for each browse control device including equipment, supplies and labor.

1.71 SIMULATED DESERT VARNISH ROCK COLOR MITIGATION (Bid Item 2051)

1.71.1 Measurement

Measurement of simulated desert varnish rock color mitigation will be made on the basis of the actual area in hectares of exposed excavation, fill, and rock surfaces in the construction areas that are treated.

1.71.2 Payment

Payment for simulated desert varnish rock color mitigation will be at the applicable contract price per hectares, which payment shall constitute full compensation for the simulated desert varnish rock color mitigation including furnishing materials, processing, hauling, and placing, complete in place.

1.72 SOIL SAMPLING AND TESTING FOR FERTILITY, F-4 DEBRIS BASIN (Bid Item 2052))

1.72.1 Measurement

Measurement of soil sampling and testing for fertility will be made at the applicable contract unit price per each soil sample taken as shown on the drawings and tested for fertility.

1.72.2 Payment

Payment for soil sampling and testing for fertility will be made at the applicable contract price for each soil sample taken and tested, which payment shall constitute full compensation for materials, equipment, and labor.

1.73 PIGMENTED DUST PALLIATIVE/SOIL STABILIZER ONLY ON REVEGETATED AREAS (Bid Item 2053)

1.73.1 Measurement

Measurement of pigmented dust palliative/soil stabilizer will be made on the basis of the actual area in hectares used for revegetation as indicated or directed.

1.73.2 Payment

Payment for pigmented dust palliative/soil stabilizer will be at the applicable contract price per hectare, which payment shall constitute full compensation including grading, scarifying, furnishing materials, processing, hauling and applying, complete in place.

1.74 PROVIDE CHANNEL EXCAVATION SHORING (Bid Item 1006)

Payment for providing channel excavation shoring on east side of channel from Sta. 44+34.229 to Sta. 42+27.440 and from Sta. 40+28.845 to Sta. 38+35.000 to protect property and improvements will be made at the applicable contract price, which payment shall constitute full compensation for furnishing shoring, labor and necessary equipment, for duration of related construction work in area, to protect property and improvements as specified, and removal of said shoring when related work is completed.

1.75 CLEAR SITE AND REMOVE OBSTRUCTIONS AT BLUE DIAMOND AND FLAMINGO DETENTION BASINS (Bid Item 1034).

Payment for Clear Site and Remove Obstructions at Blue Diamond and Flamingo Detention Basins, shall include all costs for clearing, removal,

replacement, and restoration work (except work by others) including all existing obstructions within the construction work area, except for clearing, removal, replacement and restoration work specifically specified in other bid items throughout this project. Except as otherwise specified, or except as otherwise indicated in other bid items, payment for clearing and removal work includes applicable earthwork; filling holes; removal of abandoned utility lines; removal of existing surface trash and debris, including trees and vegetation and debris piles (consisting of construction debris and/or dumped soils, dumped gravels, dumped rocks and dumped boulders), including vehicle debris (vehicle bodies and/or vehicle parts) and appliance debris (whole and/or parts), and grubbing from within the Basin right-of-way and temporary construction easement; removal, protection, replacement or restoration of existing structures and features indicated and disposal of all materials. Payment for Clear Site and Remove Obstructions at Blue Diamond and Flamingo Detention Basins will be made at the applicable contract price, which payment shall constitute full compensation for clearing, obstruction removal, and protection work, complete.

1.76 ADJUST SEWER MANHOLE FRAMES AND COVERS EXCEPT FOR OPTION NO. 1 AND OPTION No. 2 (Bid Item 0044);
ADJUST SEWER MANHOLE FRAMES AND COVERS OPTION NO. 1 (Bid Item 1017)..

Measurement and payment shall be made according to the contract unit price for each manhole acceptably adjusted to finished grade elevation. Existing covers, including frames, grates, or lids shall be adjusted to the required elevation by removing such existing covers and adjusting the top of the existing structures by removing or adding concrete, riser, cone, grade rings, or by using cast iron adaptor rings, as the case may be, reinstalling the fixtures by supporting them on a satisfactory collar of Class A concrete constructed as to hold them firmly in place.

1.77 BLUE DIAMOND PROVIDE AND PLANT (Bid Items 1035-1042); FLAMINGO BASIN PROVIDE AND PLANT (Bid Items 1045-1051)

1.77.1 Measurement

Measurement for providing plant materials will be the number of plants of each type specified, actually planted on the project.

1.77.2 Payment

The accepted quantities of plants measured for plant materials will be paid at the applicable contract unit price per the type of plant, identified in each bid item and actually planted on the project. Such payment shall be full compensation for all the labor, materials, and incidentals necessary to complete the work, except irrigation water to maintain the plants will be paid separately and all incidentals.

1.78 BLUE DIAMOND PROVIDE SEEDING AND FERTILIZATION (Bid Item 1043);
FLAMINGO BASIN PROVIDE SEEDING AND FERTILIZATION (Bid Item 1052);
SEEDING AND FERTILIZATION, F-4 DEBRIS BASIN EMBANKMENT DOWNSTREAM SURFACE
(Bid Item 2049)9)

1.78.1 Measurement

Measurement for seeding and fertilization will be the number of hectares completed, applied at the specified seed and fertilizer rates in the designated areas, measured along the ground slope.

1.78.2 Payment

Payment for seeding and fertilization will be at the applicable contract price per hectares, which payment shall constitute full compensation for materials, equipment, and labor including tillage, and amendments, except irrigation water for seed establishment will be paid separately and all incidentals, and plant establishment.

**1.79 BLUE DIAMOND PROVIDE 1 YEAR IRRIGATION AND MAINTENANCE (Bid Item 1044);
FLAMINGO BASIN PROVIDE 1 YEAR IRRIGATION AND MAINTENANCE (Bid Item 1053)3)**

Payment for providing irrigation and maintenance for one year after construction including a one year guarantee on landscape work will be made at the applicable contract price, which payment shall constitute full compensation for furnishing water, labor and necessary equipment to maintain and establish landscaping placed for mitigation, including weeding, fertilizing, plant replacement, and maintenance reports as specified.

**1.80 UTILITY CROSSING ITEMS EXCEPT OPTION NO. 1 AND OPTION NO. 2 (Bid Item 0043);
UTILITY CROSSING ITEMS OPTION NO. 1 (Bid Item 1019);
UTILITY CROSSING ITEMS OPTION NO. 2 (Bid Item 2054).).**

Payment for Utility Crossing Items will be made at the applicable contract lump sum price, and shall be considered full payment for all work including protect in place, support and concrete encase.

**1.81 BLUE DIAMOND DETENTION BASIN LANDSCAPE FILL (Bid Item 1056);
FLAMINGO DETENTION BASIN LANDSCAPE FILL (Bid Item 1057))**

1.81.1 Measurement

Measurement for placing landscape fill will be made on the basis of the cubic meters of material placed and graded to a minimum depth of 203 millimeters over surfaces designated for revegetation treatment or as shown on the drawings. Excess material from strip and stockpile for topsoil that is wasted or placed as miscellaneous fill will not be included for measurement under this item.

1.81.2 Payment

Payment for placing landscape fill will be at the applicable contract price per cubic meter, which payment shall constitute full compensation for materials, equipment, and labor.

1.82 CONSTRUCTION WATER EXCEPT OPTION NO. 1 AND OPTION NO. 2 (Bid Item

0056);

CONSTRUCTION WATER OPTION NO. 1 (Bid Item 1058);

CONSTRUCTION WATER OPTION NO. 2 (Bid Item 2066).).

Payment for construction water will be made at the applicable contract price, which payment shall constitute full compensation for furnishing water for construction and all dust control including cost of permits, cost of water taps or hydrants, applicable earthwork, design and installation of temporary water pipeline and storage tanks, maintaining and repairing the water supply system, including costs for dust control, and all incidentals, complete.

1.83 SINGLE SWING GATE (Bid Item 0045).

1.83.1 Measurement

Measurement of single swing gates will be the number of single swing gates acceptably installed.

1.83.2 Payment.

Payment for Single Swing Gate will be made at the applicable contract price, which payment shall constitute full compensation for fabricating and installing the single swing gates, complete, including posts with caps, chain link fabric, frame members, tension bands, truss rods, stretcher bars, wire ties, truss wire, sleeves, hinges, grout, concrete, stops and padlocks, and all incidentals, complete, as shown on the drawings.

1.84 BASIN DEPTH GAGE, SEDIMENT STAFF GAGES, AND METAL BEAM GUARDRAILS (Bid Item 2064)

Basin depth gage shall be fabricated and installed according to the drawings.

Sediment staff gages shall be fabricated with heavy duty steel pipe conforming to ASTM A 53, Type E or S, weight STD, galvanized after fabrication as shown on the drawings. Sediment staff gages shall be set vertically in concrete encasement footings. Concrete for encasements and pipe fill where indicated shall be as specified in Section 03301 CAST IN PLACE STRUCTURAL CONCRETE having a compressive strength of 21 MPa.

Install metal beam guardrails (2 10-meters length each) in accordance with requirements shown on drawing DB03 (refers to detail on drawing no. R-8.2.2 (618) of the "STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION", DEPT OF TRANSPORTATION, STATE OF NEVADA).

Painting of sediment staff gages, and basin depth gage shall be in accordance with the requirements of the drawings and the applicable portions of the UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA, SECTIONS 614 AND SECTION 714.

Payment for basin depth gage, sediment staff gages, and metal beam guardrails will be made at the applicable contract price which payment

shall constitute full compensation for installing the depth gage, installing the sediment staff gages, and installing the metal beam guardrails complete, including applicable earthwork, reinforced concrete, metal working, painting, fastening, and placing numerical markings, complete as shown on the drawings and per the requirements on the drawings.

1.85 BASIN STILLING WELL (Bid Items 2065)

Payment for basin stilling well will be made at the applicable contract price, which payment shall constitute full compensation for the basin stilling well, complete, including excavation and compacted fill; furnishing and placing reinforcing steel; staff gauge; manhole, access door, locking bar for manhole, locking box system for access door, shelf, stilling well ladder and safety cage, beehive inlets, rigid steel inlet pipes with slurry backfill, locking bar systems for beehive inlets; connections, furnishing, placing, finishing, and curing concrete for, cutoff, walls, slabs, and sills as shown on the drawings; including chain link fence and single swing gate; and all incidentals, complete, as shown on the drawings.

1.86 STORM WATER POLLUTION PREVENTION FACILITIES, EXCEPT OPTION NO. 1 AND OPTION NO. 2 (Bid Item 0055);

STORM WATER POLLUTION PREVENTION FACILITIES, OPTION NO. 1 (Bid Item 1016);
STORM WATER POLLUTION PREVENTION FACILITIES, OPTION NO. 2 (Bid Item 2055).).

Payment for storm water pollution prevention facilities will be made at the applicable contract lump sum price, which payment shall constitute full compensation for the storm water pollution prevention facilities during the construction duration, complete, including furnishing and placing and maintaining for the construction duration silt fences, sand bags, bales of hay, signage, and including employee education and awareness; and all incidentals, complete, including all necessary permits that Contractor is responsible to obtain.

1.87 ROAD DETOURS AND ROAD RECONSTRUCTION EXCEPT OPTION NO. 1 (Bid Item 0042);

ROAD DETOURS AND ROAD RECONSTRUCTION OPTION NO. 1 (Bid Item 1012)..

Payment for Road Detours and Road Reconstruction will be made at the applicable contract lump sum price, and shall be considered full payment for: saw cutting, demolition, removal, hauling and disposal of asphaltic concrete; temporary traffic control during road removal including sign persons; including covering of existing signage and removal of existing signage and existing road markings in accordance with the DT drawings; including protect and support existing side walk, curb and gutter in place, protect and support existing water, gas, electric, fiber optic and other communication lines, vaults and other utility related items, and manholes; all required excavation and compacted fill for road detour and road reconstruction; adjusting blow-off assemblies if present and necessary; adjust valve boxes, pull boxes, vaults, water boxes for the detour and again for the road reconstruction, with exception to adjusting manholes for which there are other separate bid items; and for road detour: furnishing and placing the aggregate base course, complete, including subgrade preparation; including asphalt concrete or plantmix bituminous surface (PBS) in place and matching existing pavement and/or gutter, complete, including tack coat, prime coat and appurtenant work such as pavement striping, including removal of conflicting road markings; including relocate street light pull box, and traffic control and signage, and barricades; including installing temporary signage; including cmp arch culvert and riprap in accordance with drawing requirements, including relocate existing traffic signal pulboxs, including extending existing pvc conduit and pull strings; including maintaining all of the road detour features indicated above and shown on the DT drawings; and if Contractor chooses to construct detour road between Post Road and Sunset prior to award of Option No. 1, the Contractor shall include a temporary curve transition alignment from the detour road onto the current Fort Apache Road alignment and payment would include this temporary curve transition from detour back onto current Fort Apache Road alignment and shall also include temporary hospital entrance alignmentss and payment will also include final configuration of hospital entrance alignment to support the road detours to include any temporary barriers, installation & removal of traffic markings, striping, signage, complete, per approved Contractor plan submittal; and for road reconstruction: furnishing and placing the aggregate base course,

complete, including subgrade preparation; including asphalt concrete or plantmix bituminous surface (PBS) in place and matching existing pavement and/or gutter, complete, including tack coat, prime coat and appurtenant work such as pavement striping; including permanent striping, road markings, traffic control and signage in accordance with the DT drawings, including removal of conflicting road markings; including removal and disposal of road detours and associated road detour features including road materials, signage, striping and road markings, and barriers, when no longer needed, complete, as shown on the DT drawings.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

-- End of Section --